

FIG. 1 (PRIOR ART)

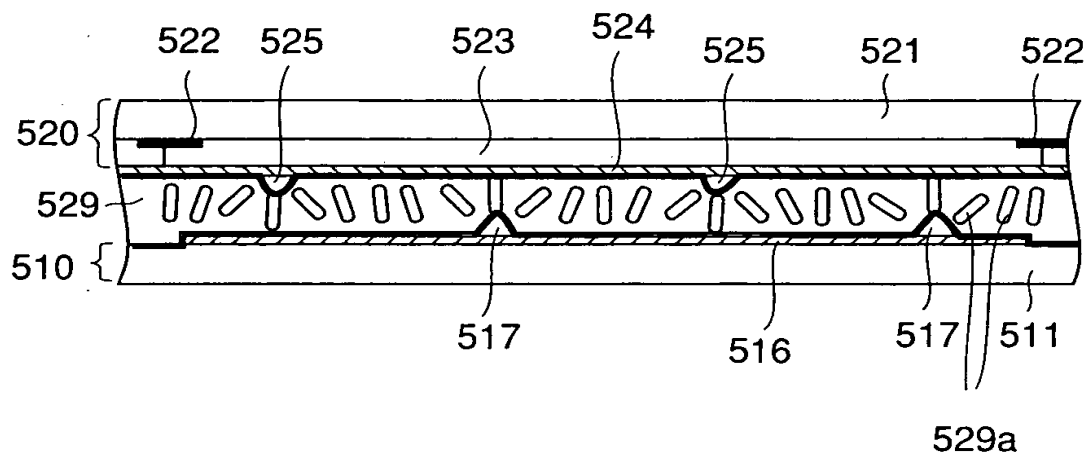


FIG. 2 (PRIOR ART)

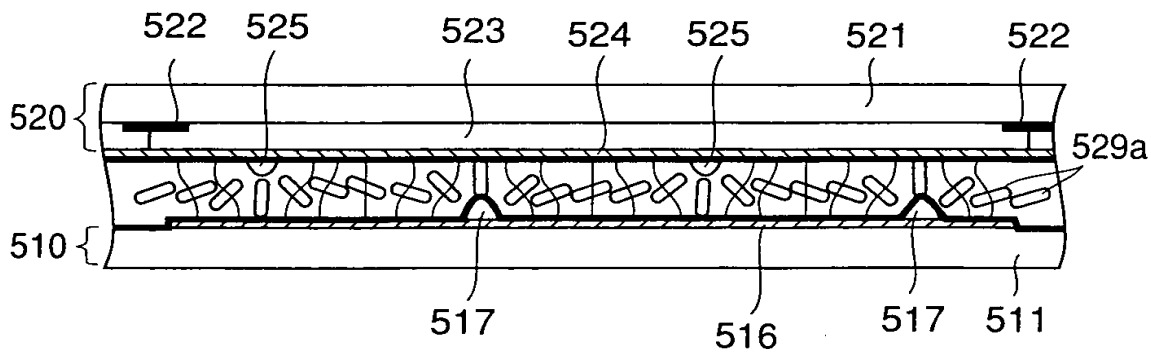
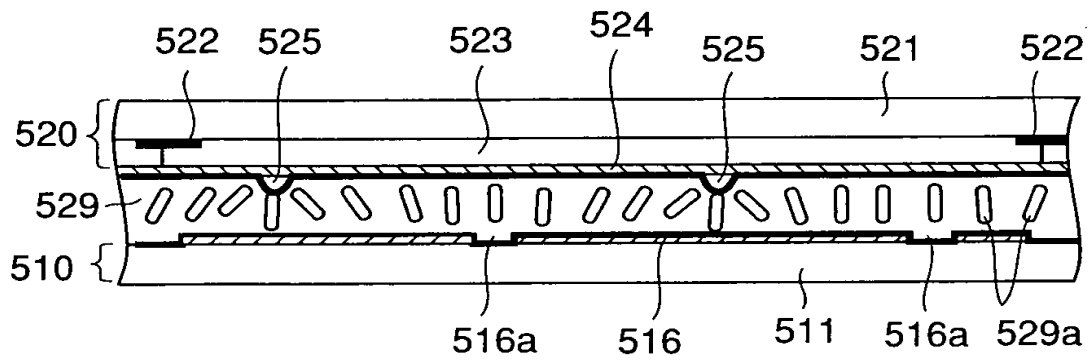


FIG. 1 (PRIOR ART)



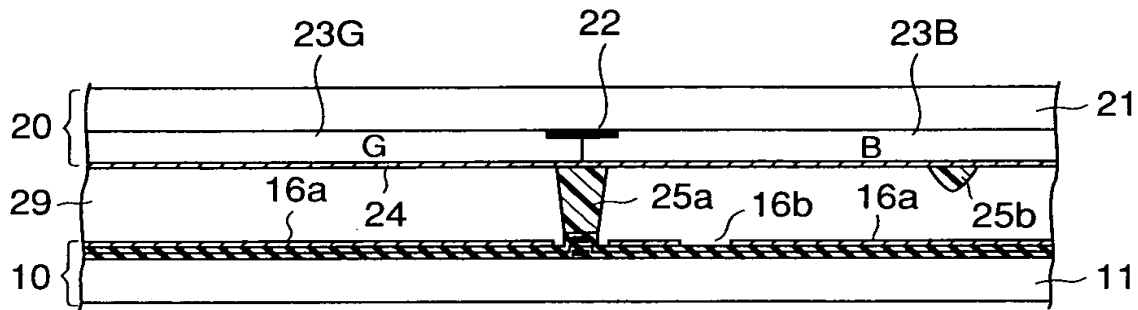
[illegible]

FIG. 5

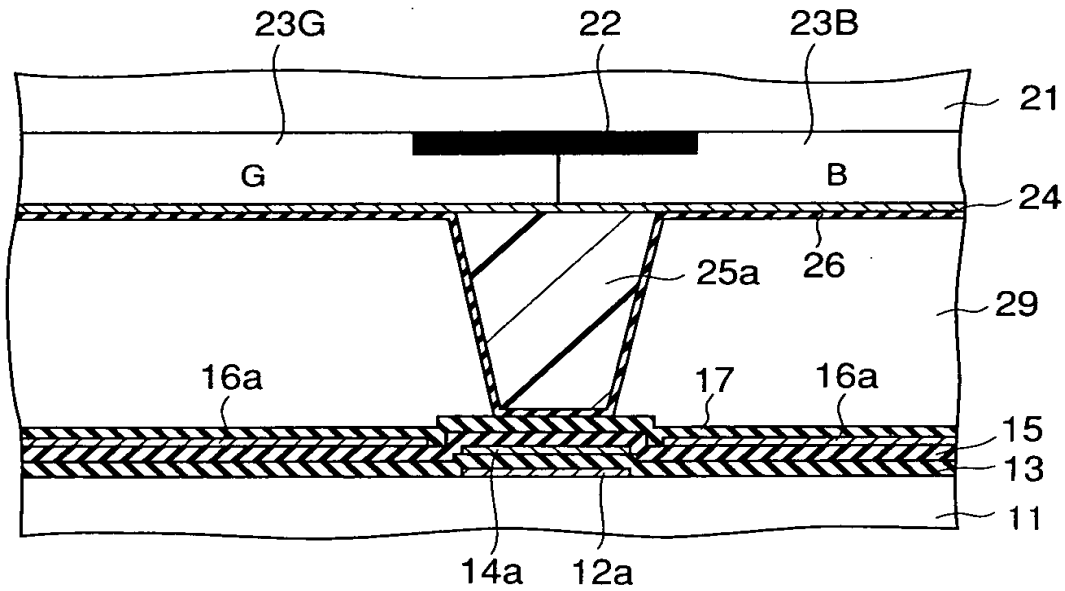


FIG. 6

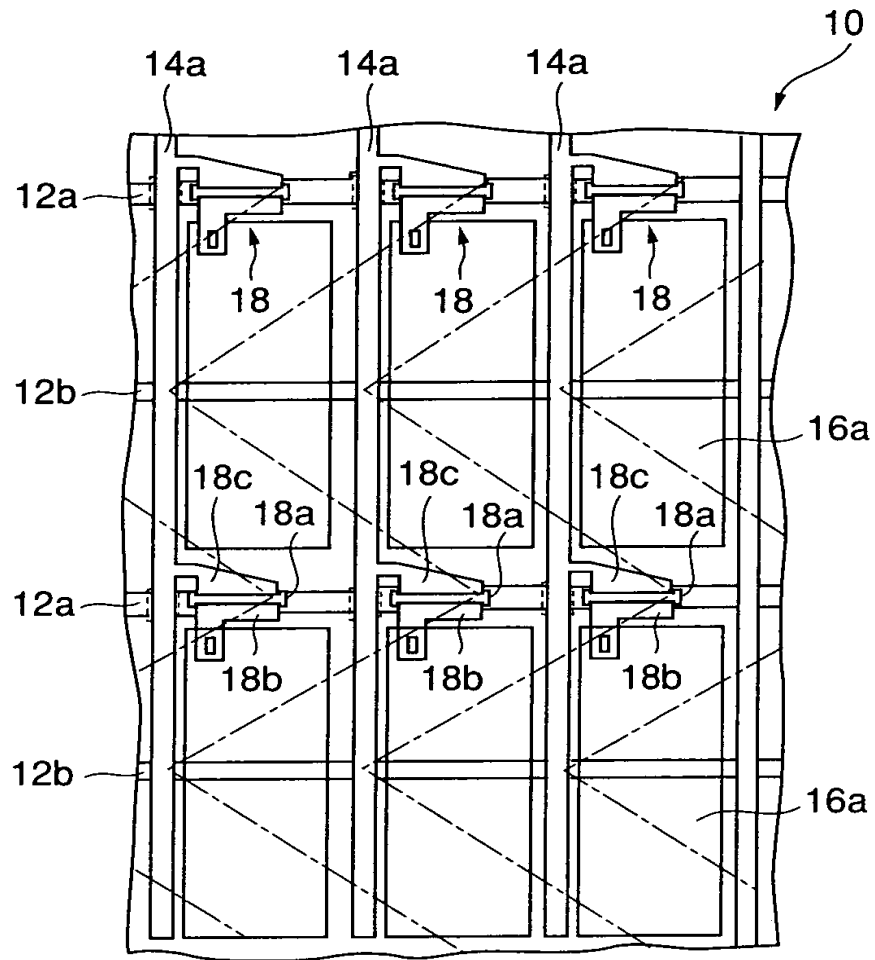


FIG. 7

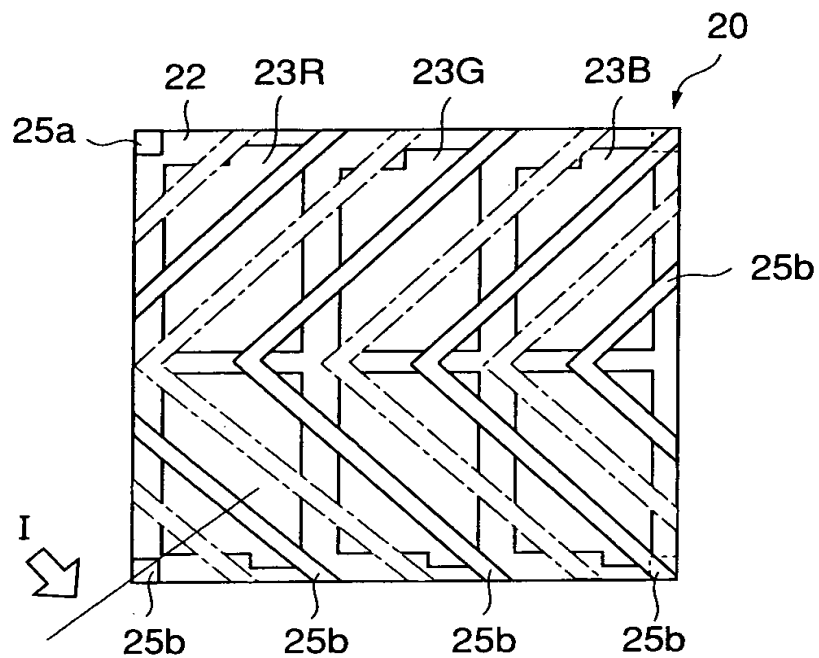


FIG. 8A

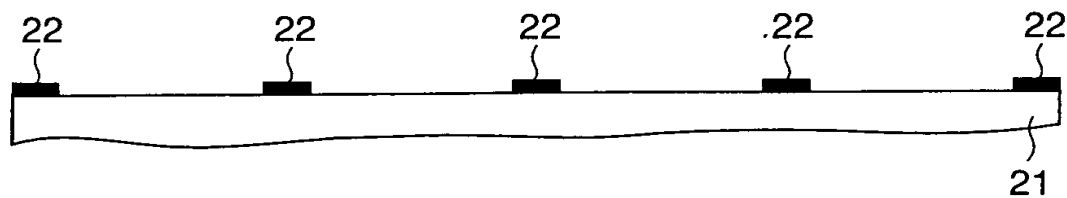


FIG. 8B

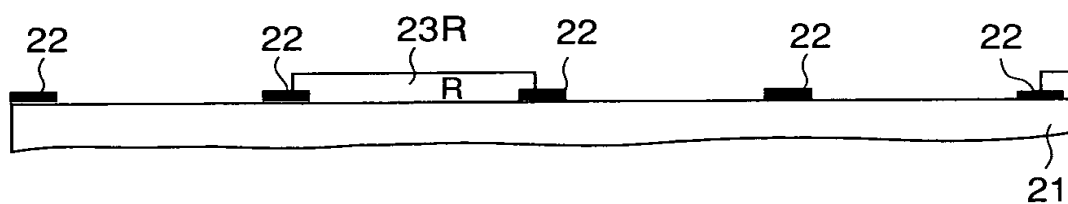


FIG. 8C

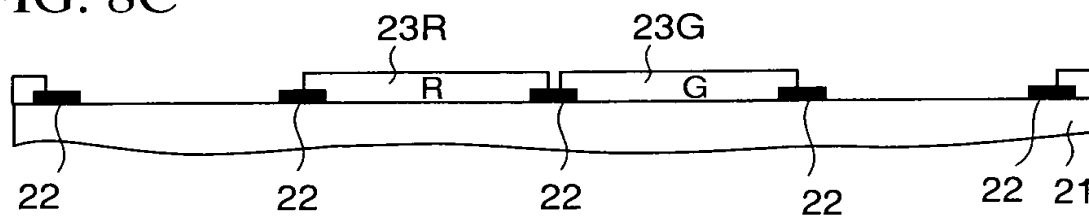


FIG. 8A

FIG. 8D

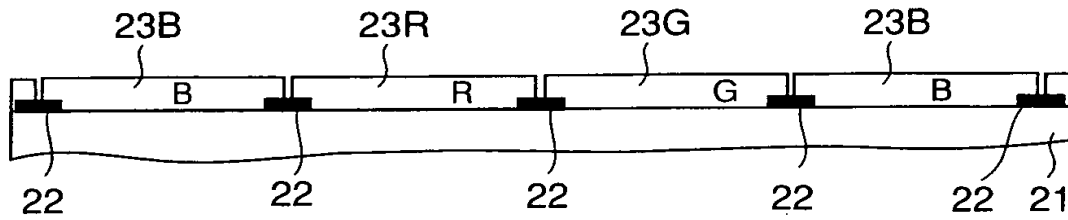


FIG. 8E

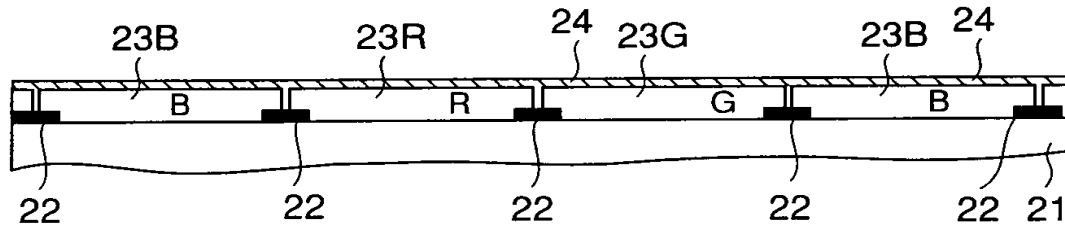


FIG. 8F

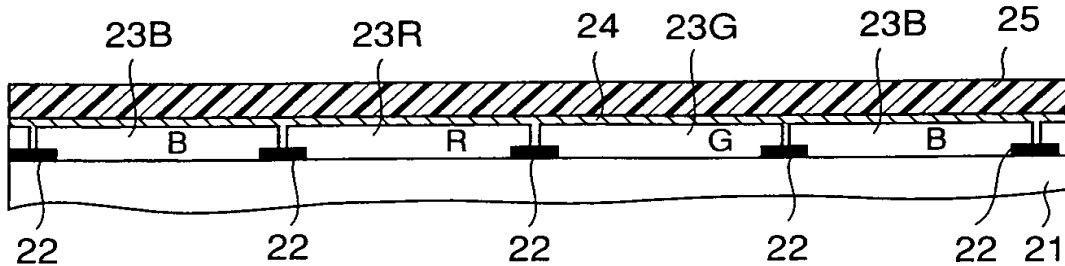


FIG. 9A

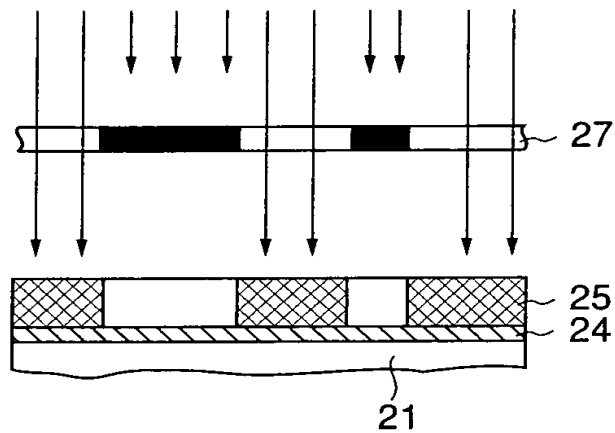


FIG. 9B

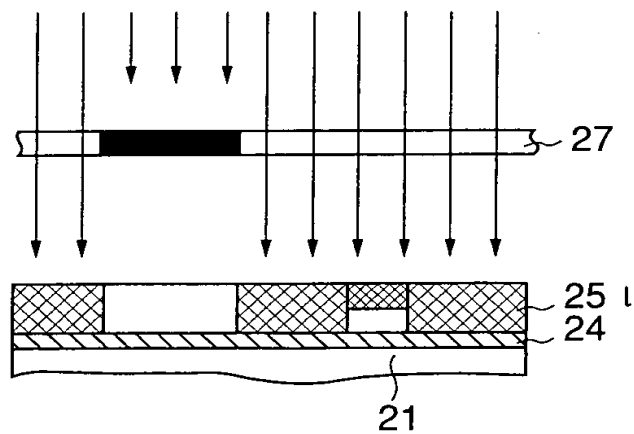




FIG. 10A

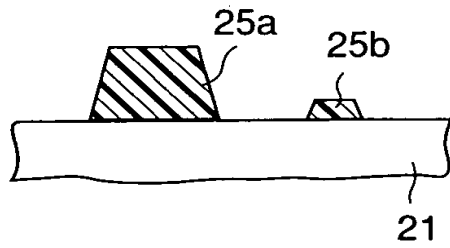


FIG. 10B

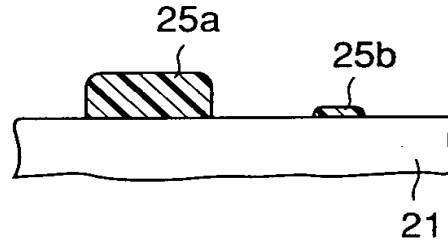


FIG. 11

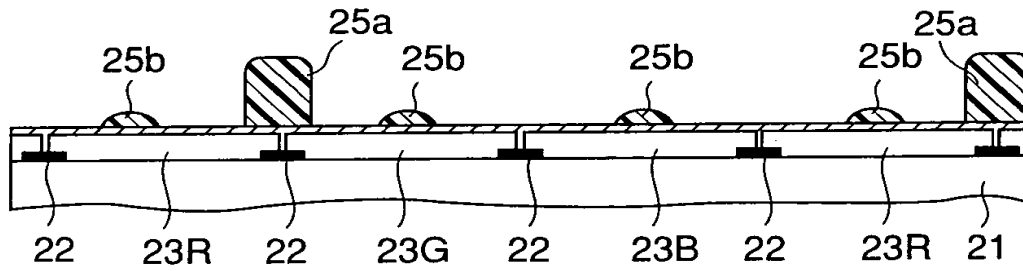


FIG. 12A

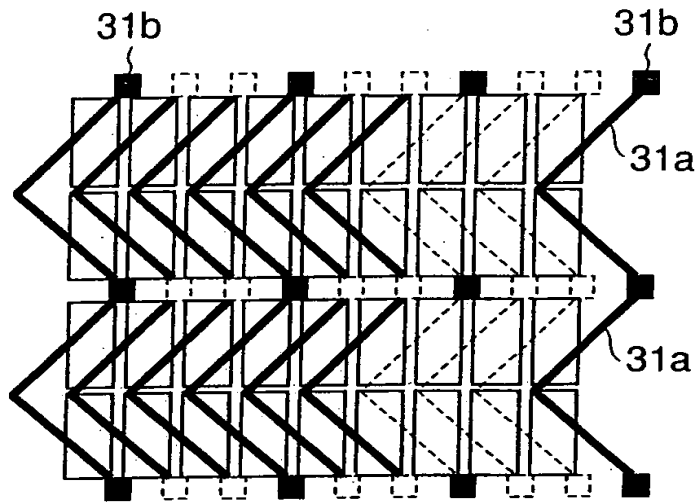


FIG. 12B

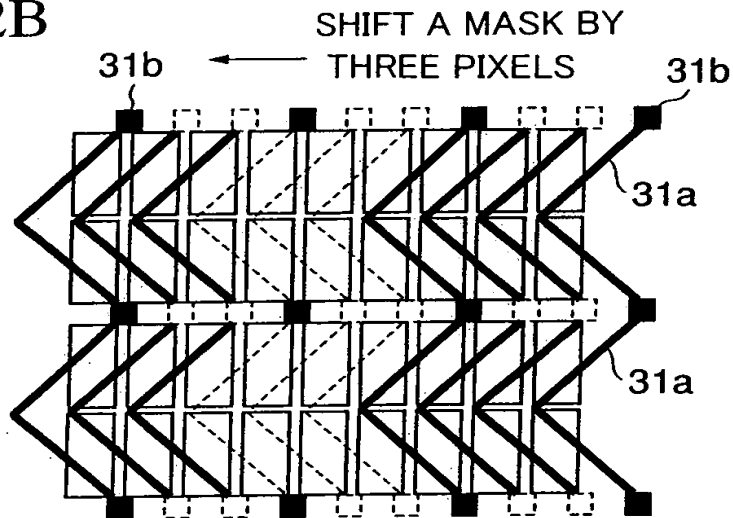


FIG. 12C

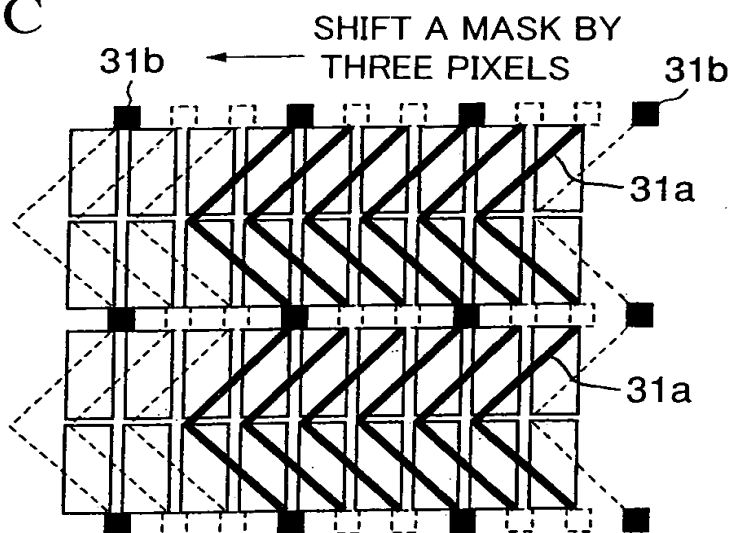


FIG. 13

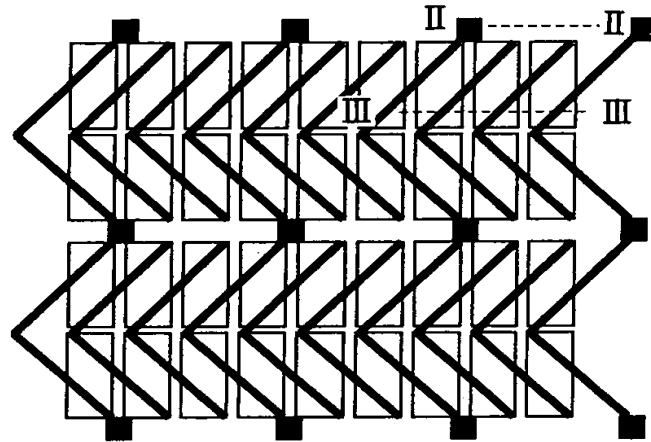


FIG. 14A

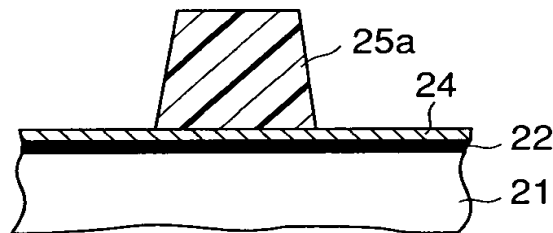


FIG. 14B

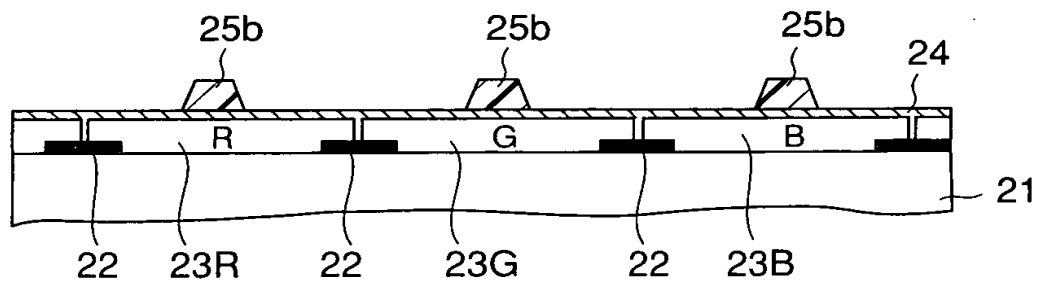


FIG. 15A

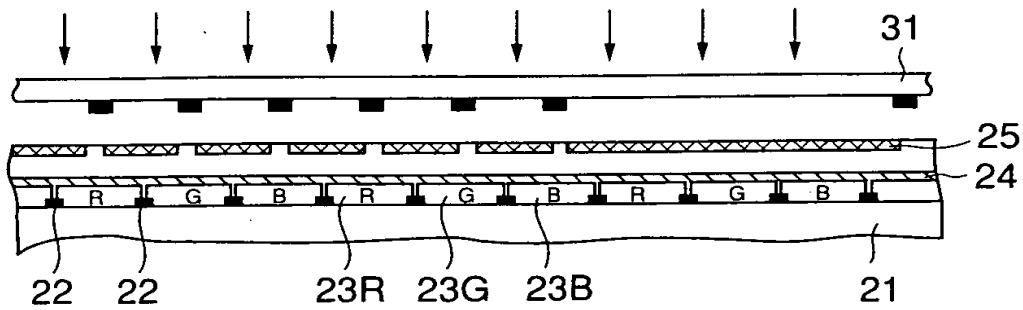


FIG. 15B

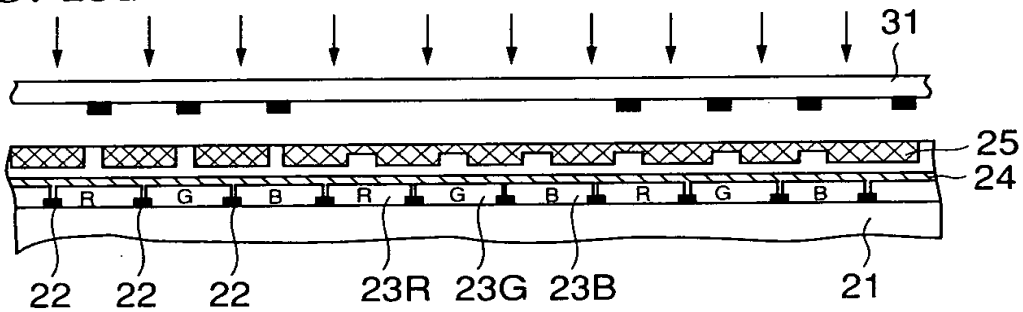


FIG. 15C

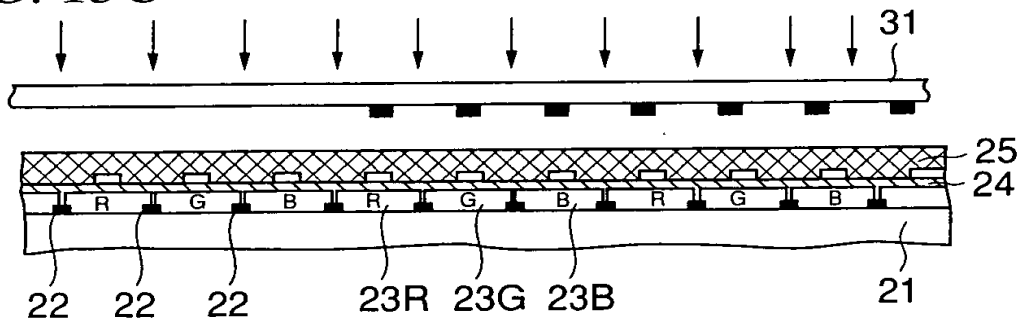


FIG. 16A

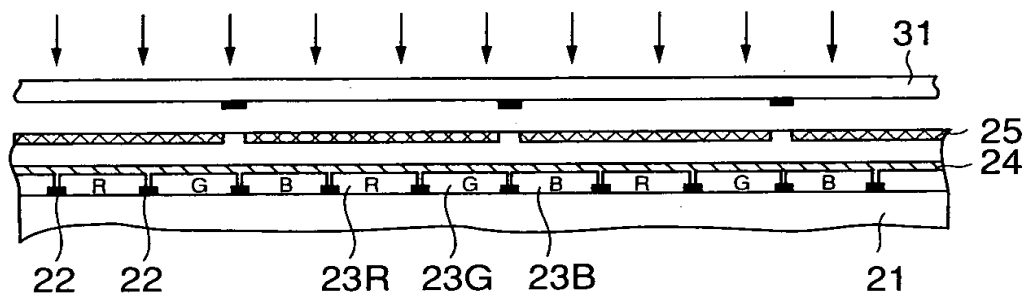


FIG. 16B

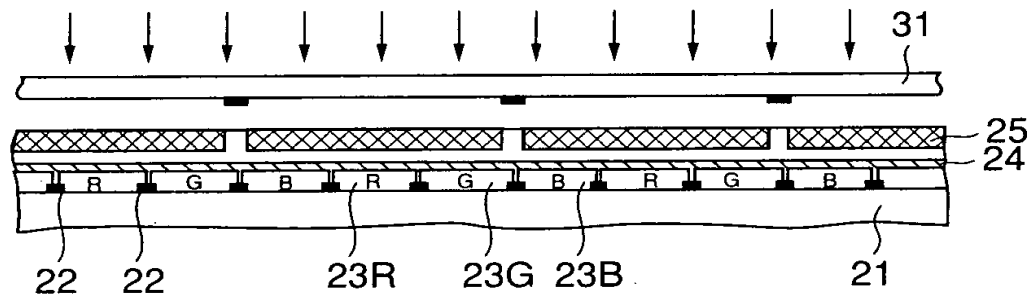


FIG. 16C

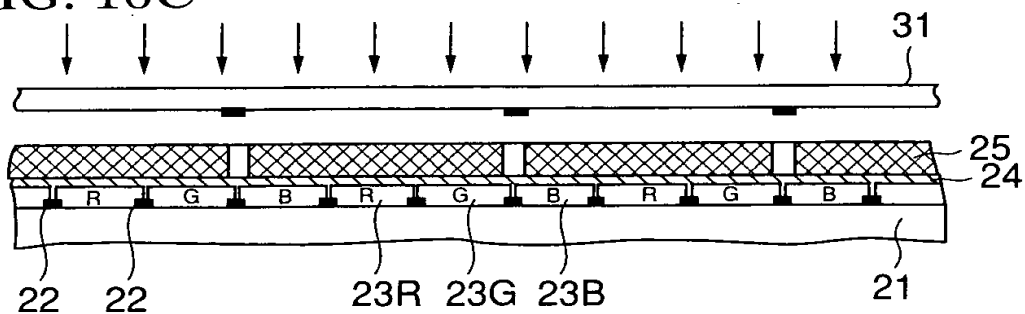


FIG. 17

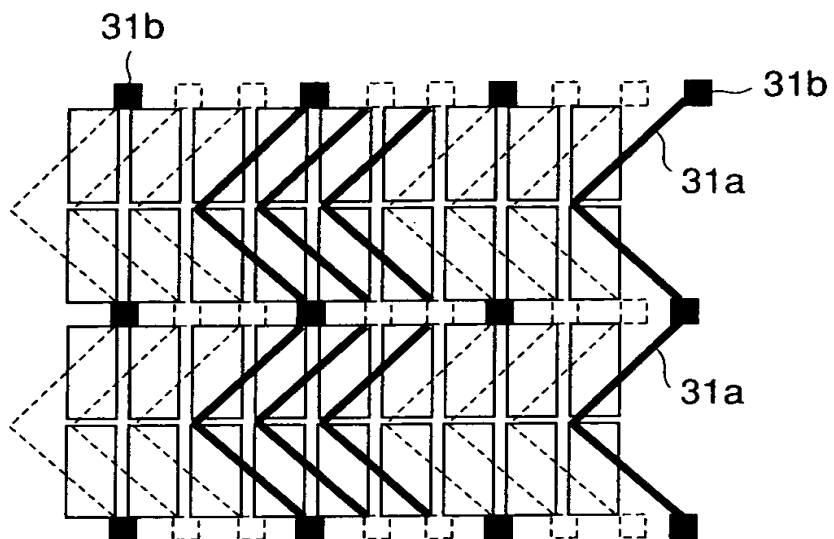


FIG. 17

FIG. 18

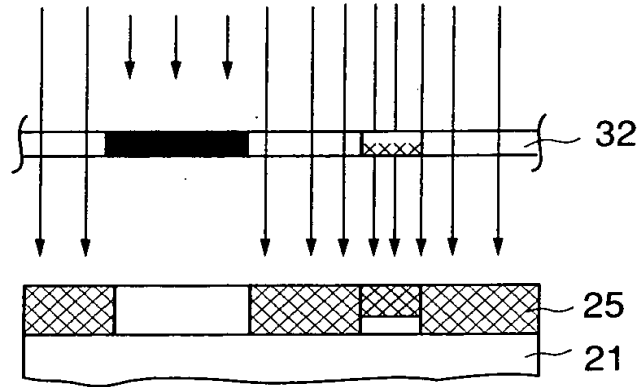


FIG. 19

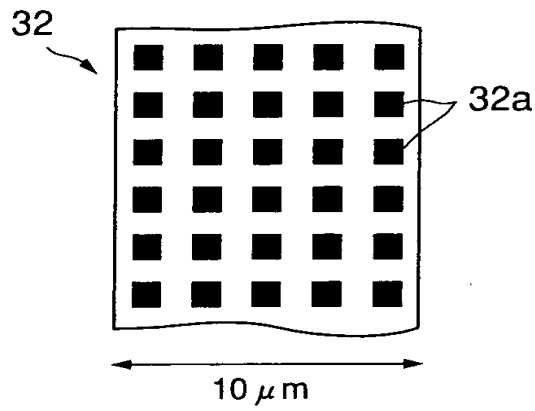


FIG. 20

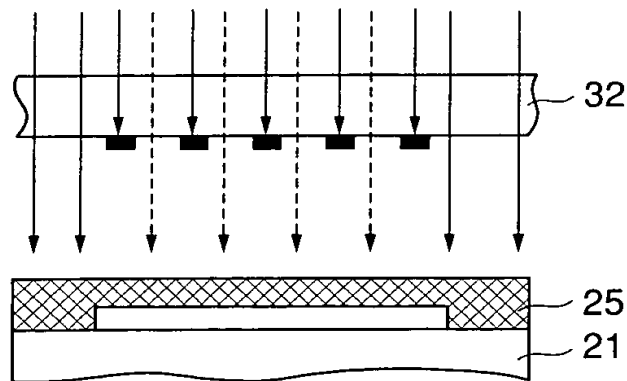


FIG. 21

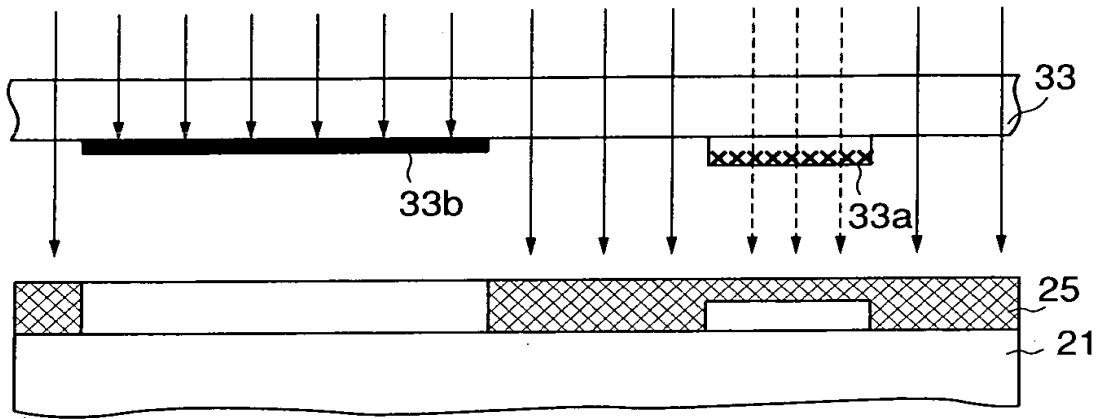




FIG. 22

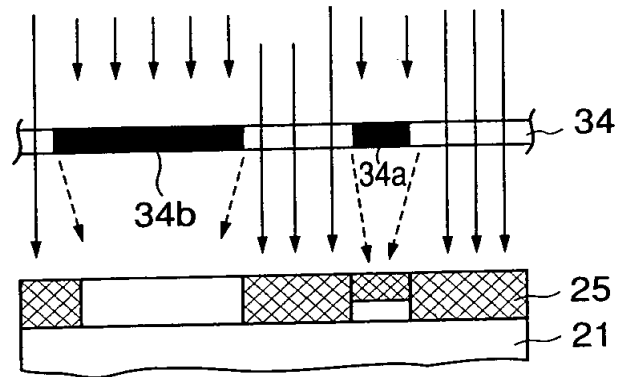
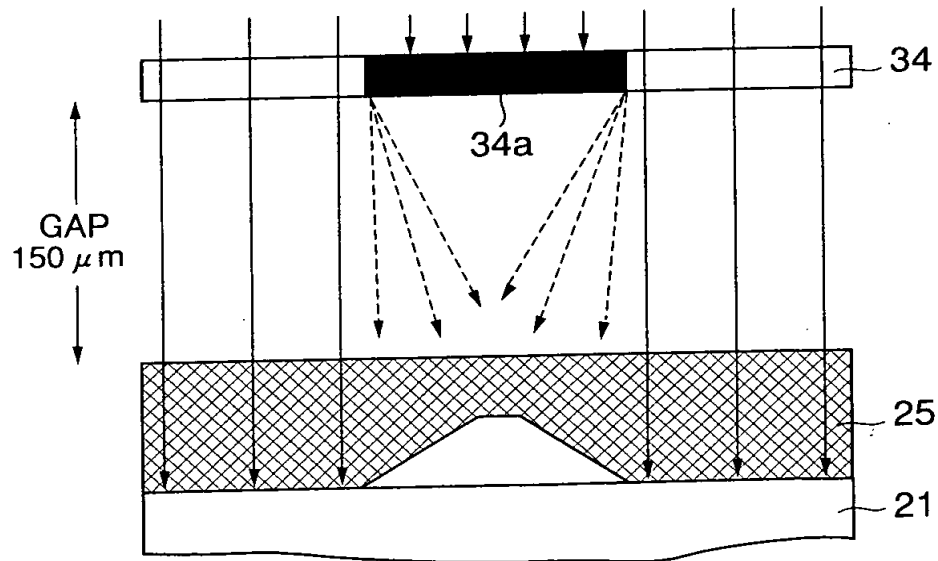


FIG. 23



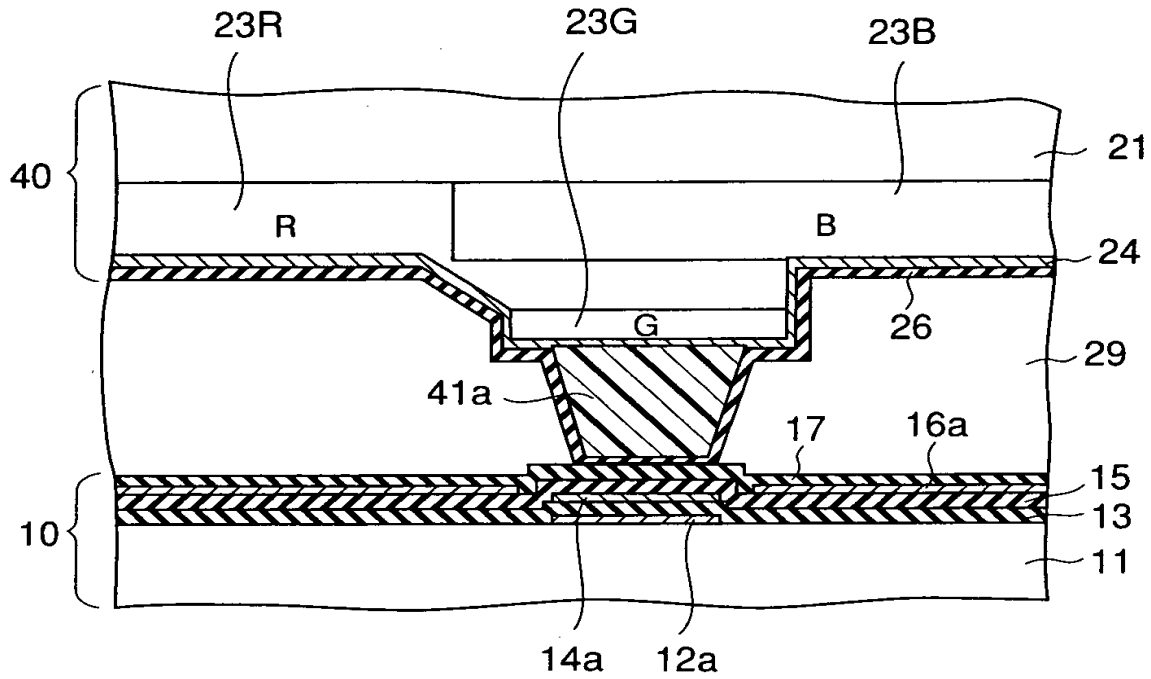
[illegible]

FIG. 25

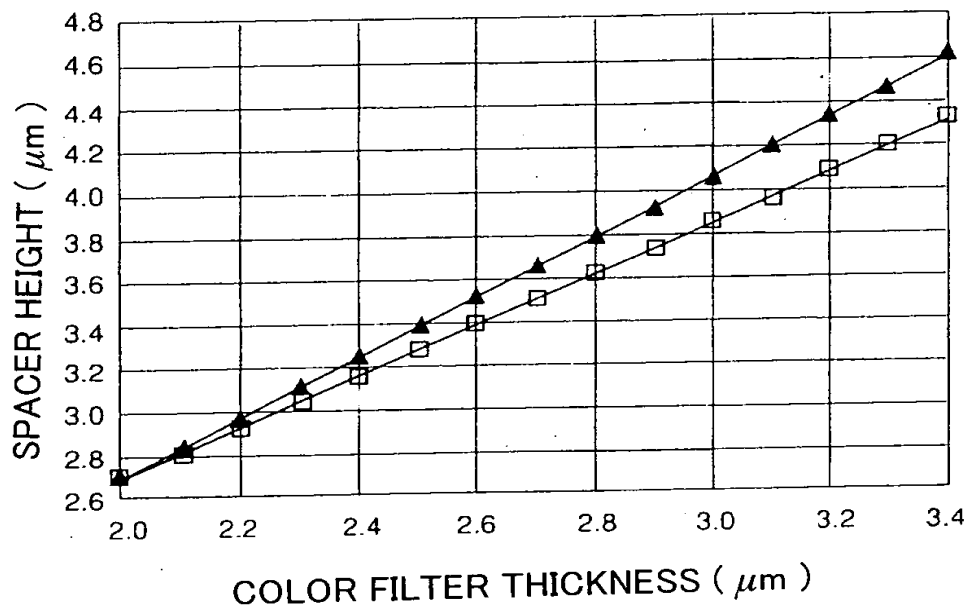


FIG. 26A

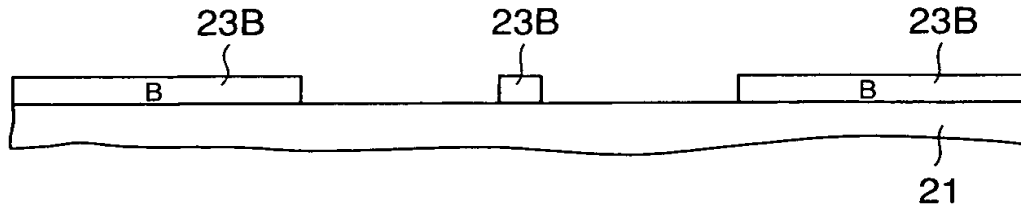


FIG. 26B

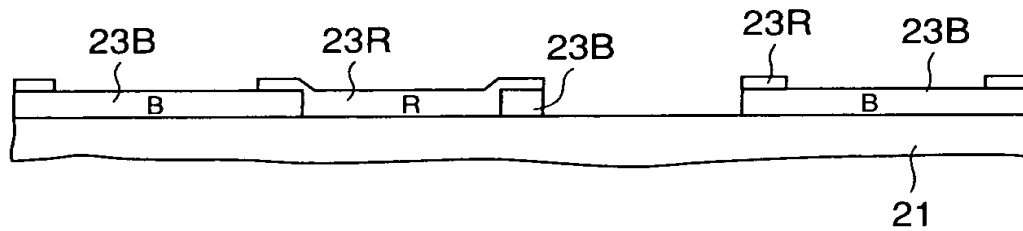


FIG. 26C

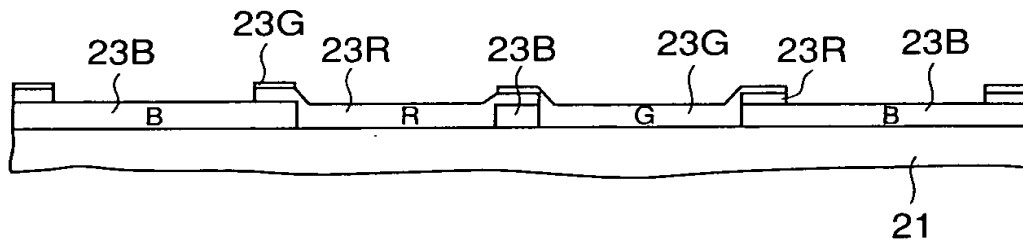


FIG. 26D

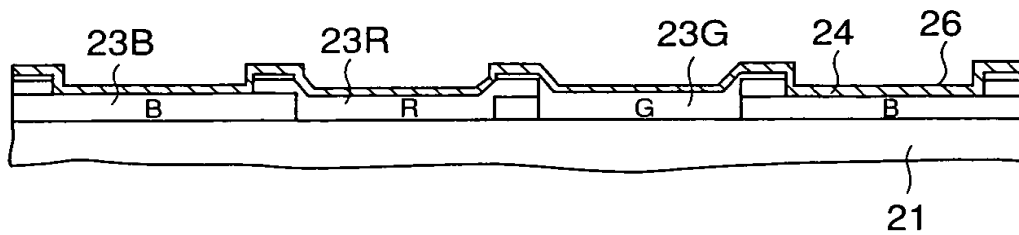
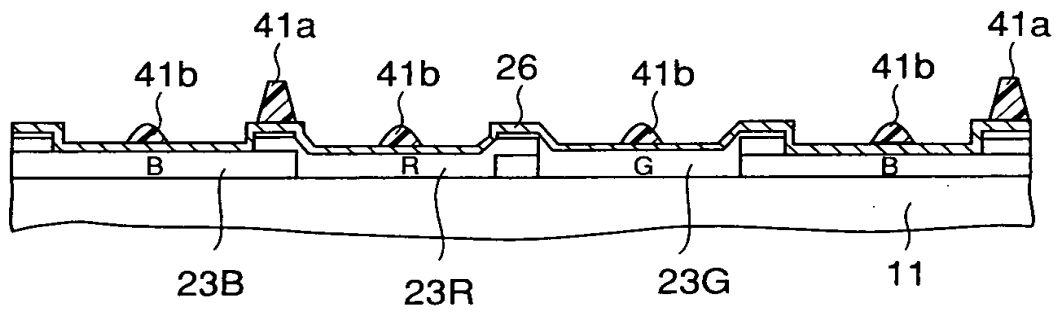


FIG. 26E



TOP VIEW

FIG. 27A

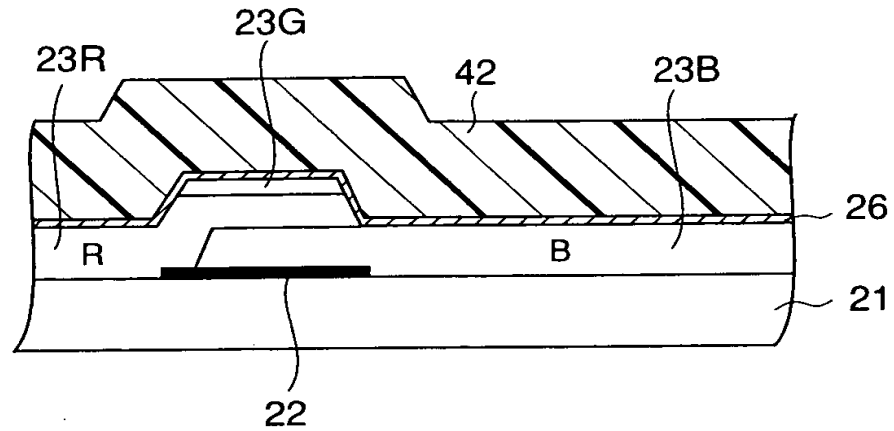


FIG. 27B

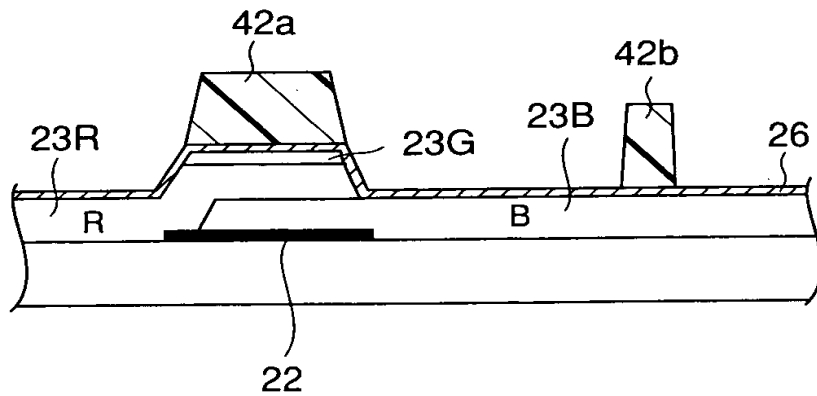
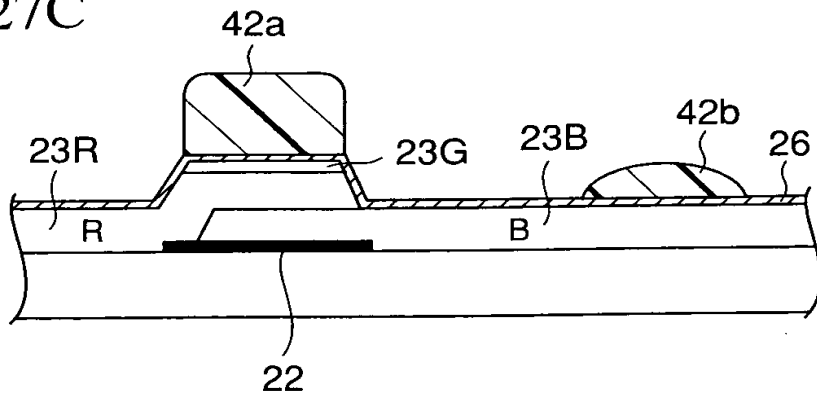
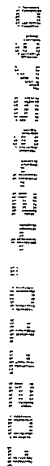
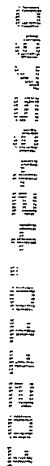


FIG. 27C



[illegible]

**06-01-2007**



- 06-01-2017**

FIG. 30A

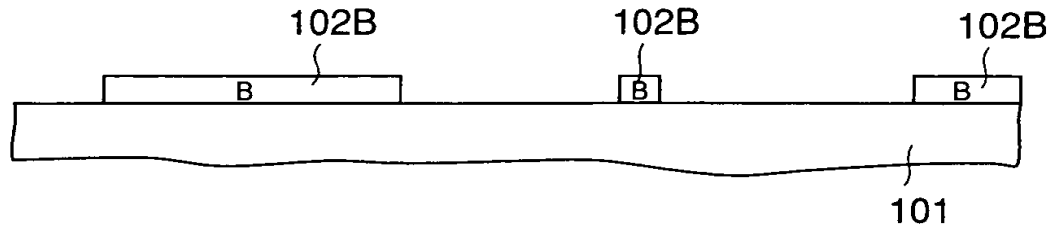


FIG. 30B

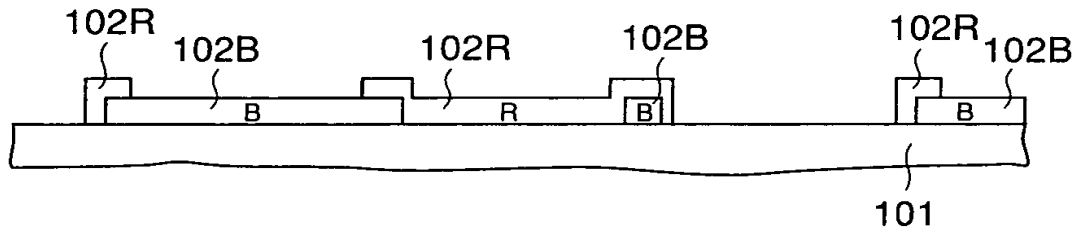


FIG. 30C

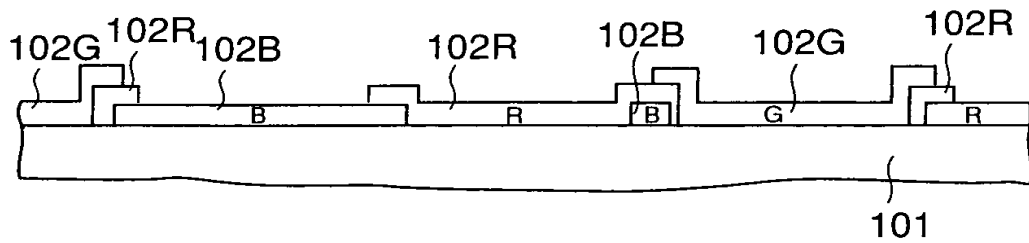


FIG. 30D

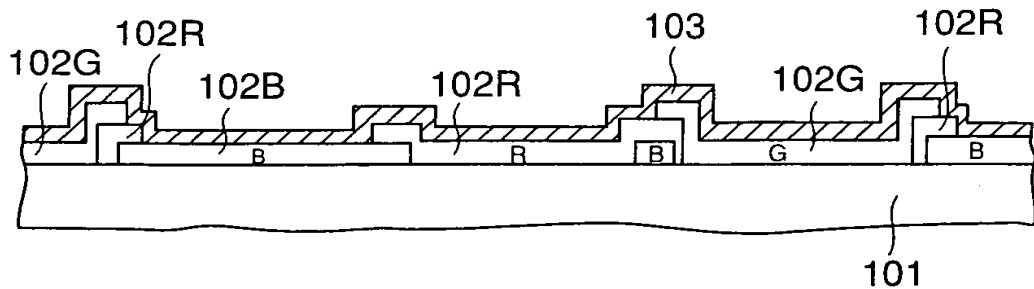




FIG. 31A

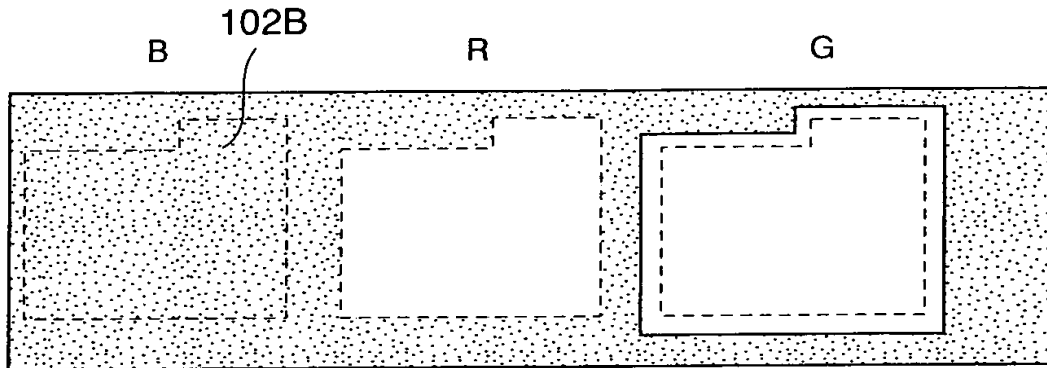


FIG. 31B

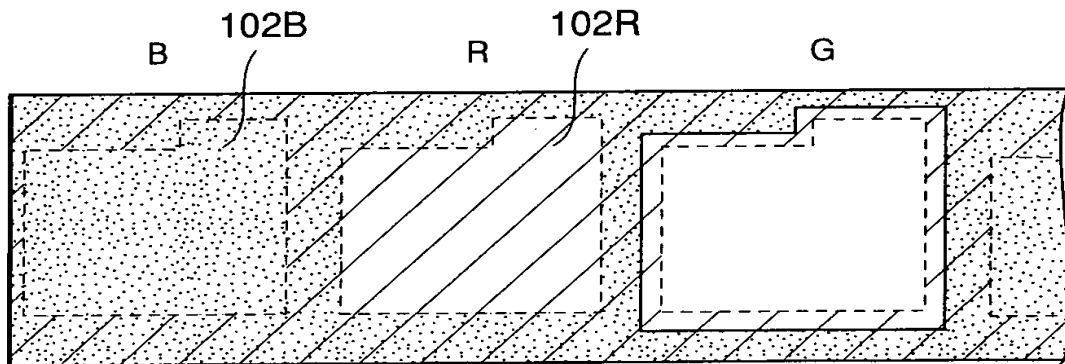


FIG. 31C

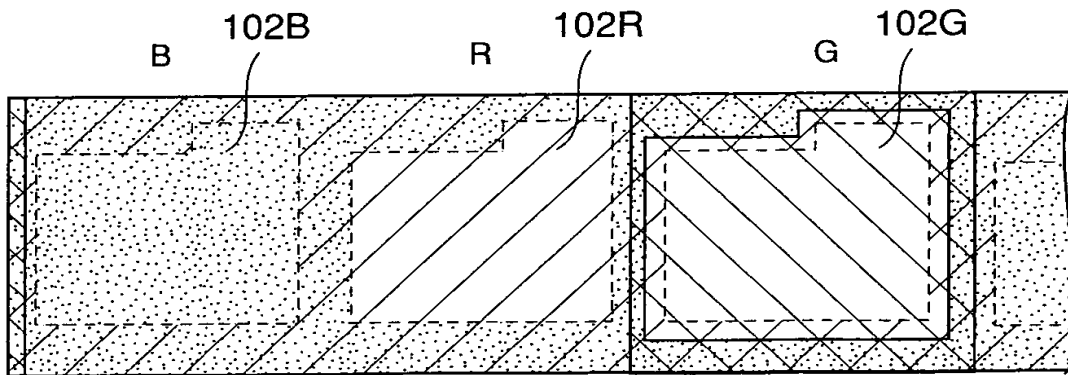
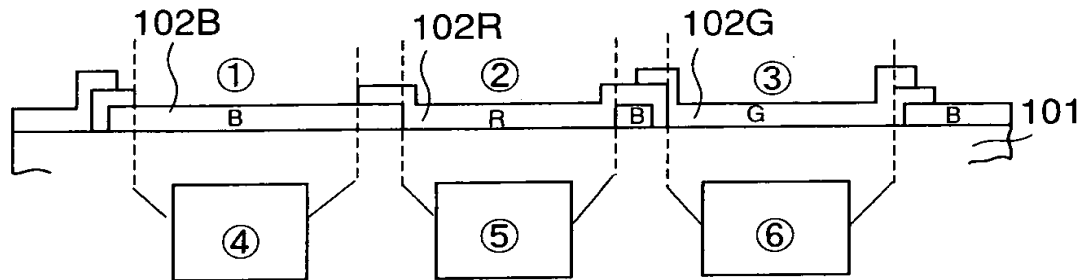
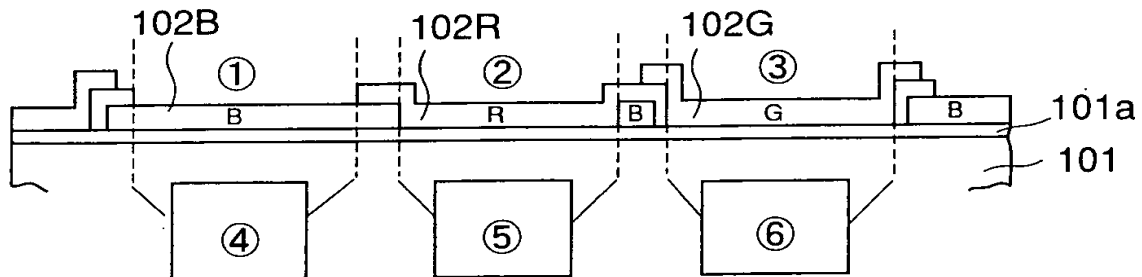


FIG. 32



- ① "B" PIXEL OPENING AREA
- ② "R" PIXEL OPENING AREA
- ③ "G" PIXEL OPENING AREA
- ④ "B" EDGE (RB OVERLAP)
- ⑤ "R" EDGE (RB OVERLAP)
- ⑥ "G" EDGE (RG OVERLAP)

FIG. 33



- ① "B" PIXEL OPENING AREA
- ② "R" PIXEL OPENING AREA
- ③ "G" PIXEL OPENING AREA
- ④ "B" EDGE (RB OVERLAP)
- ⑤ "R" EDGE (RB OVERLAP)
- ⑥ "G" EDGE (RG OVERLAP)

FIG. 34A

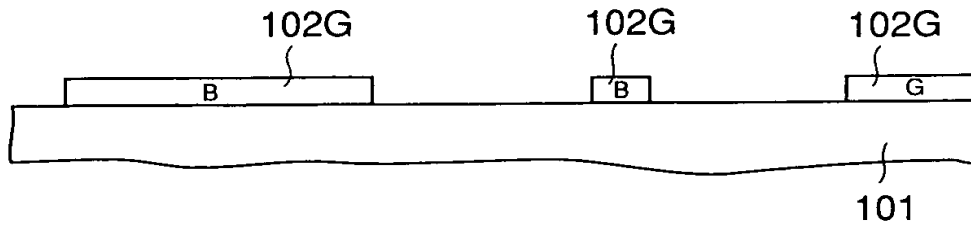


FIG. 34B

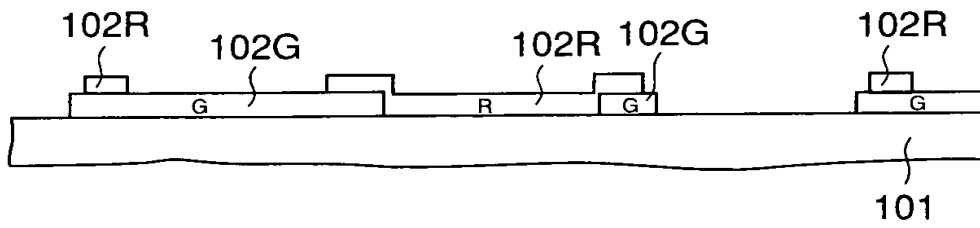


FIG. 34C

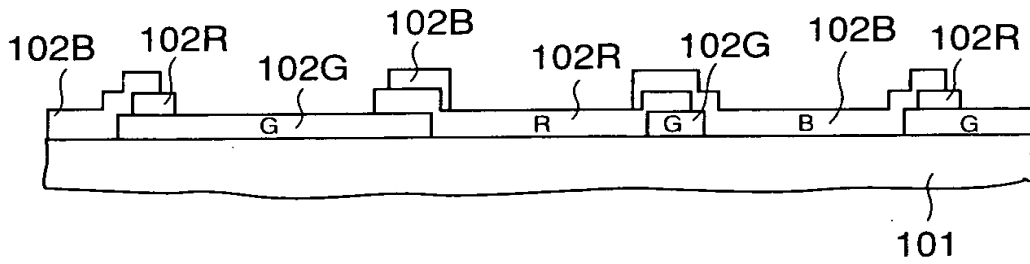


FIG. 35A

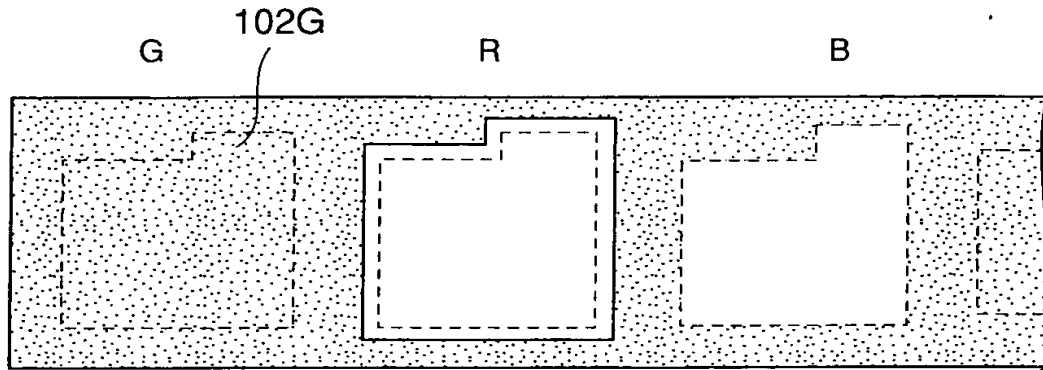


FIG. 35B

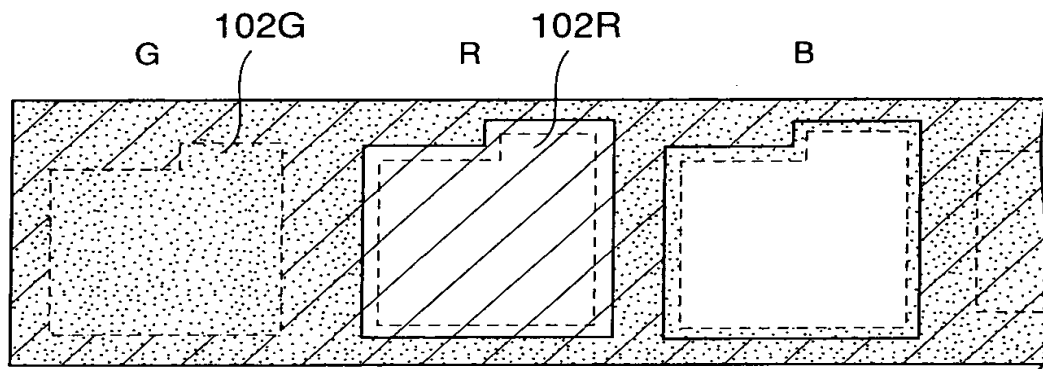


FIG. 35C

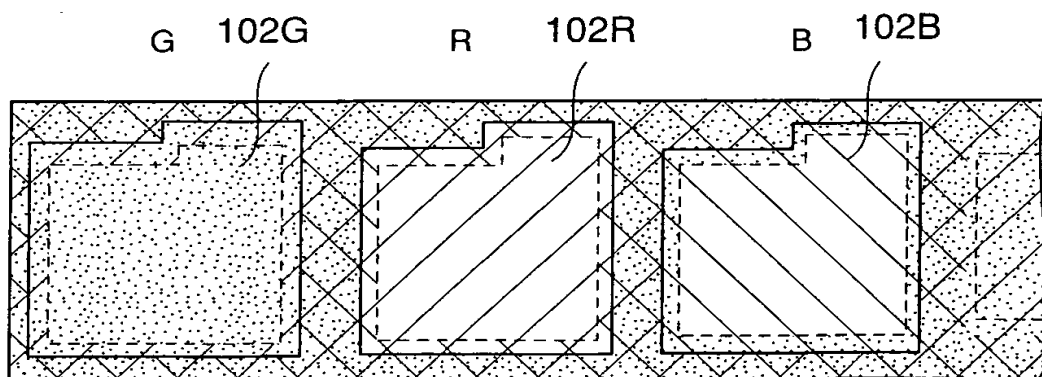
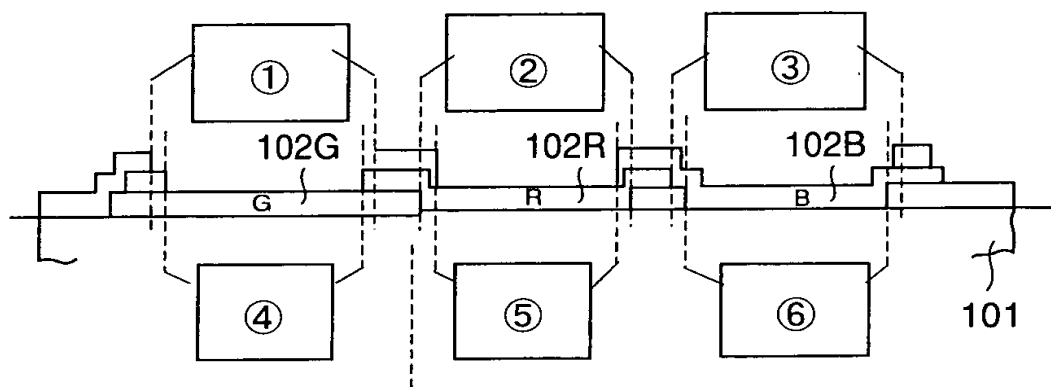
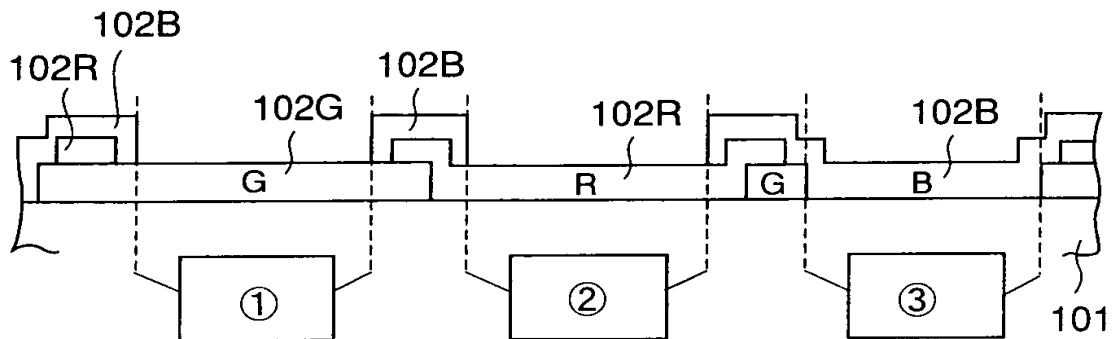


FIG. 36



- ① (ii) "G" EDGE (RGB OVERLAP)
- ② (ii) "R" EDGE (RGB OVERLAP)
- ③ (ii) "B" EDGE (RGB OVERLAP)
- ④ (i) "G" EDGE (RG OVERLAP)
- ⑤ (i) "R" EDGE (RG OVERLAP)
- ⑥ (i) "B" EDGE (GB OVERLAP)

FIG. 37



- ① "G" EDGE (BG OVERLAP)
- ② "R" EDGE (RB OVERLAP)
- ③ "B" EDGE (GB OVERLAP)

FIG. 38

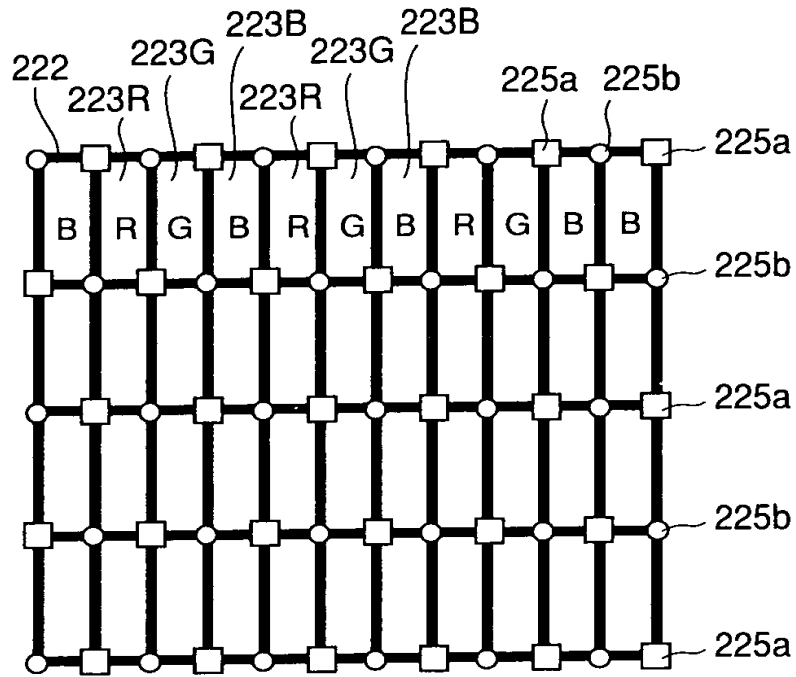


FIG. 39

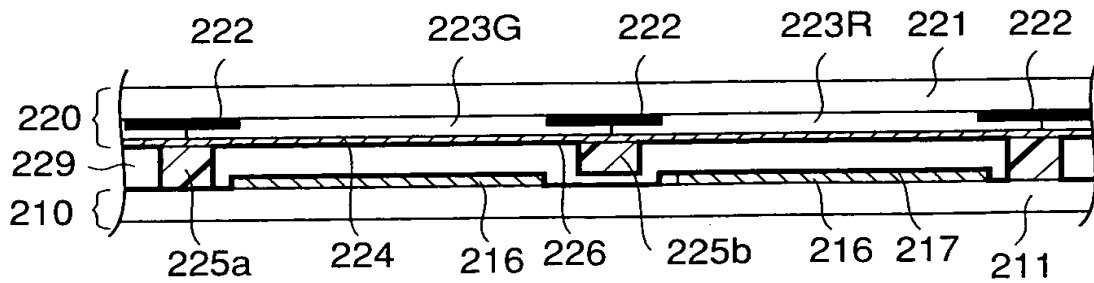


FIG. 40

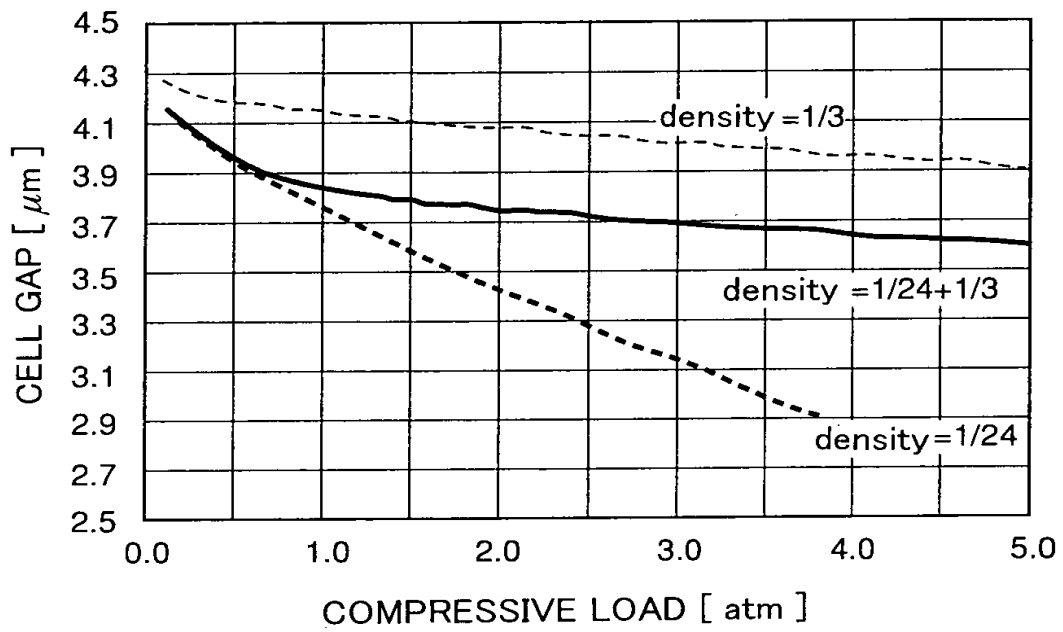




FIG. 41A

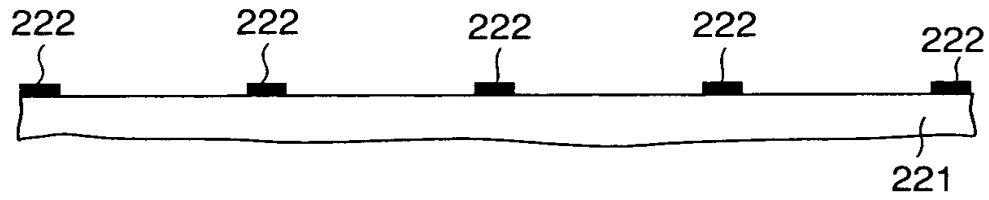


FIG. 41B

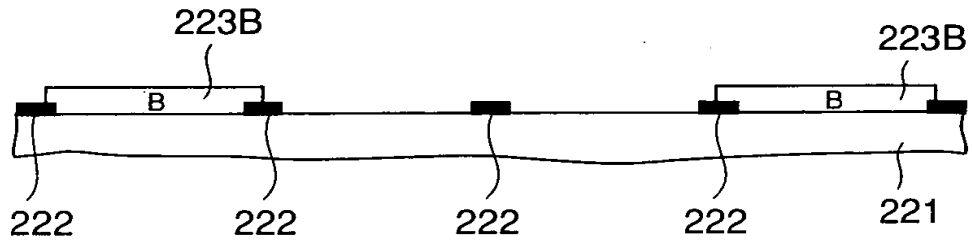


FIG. 41C

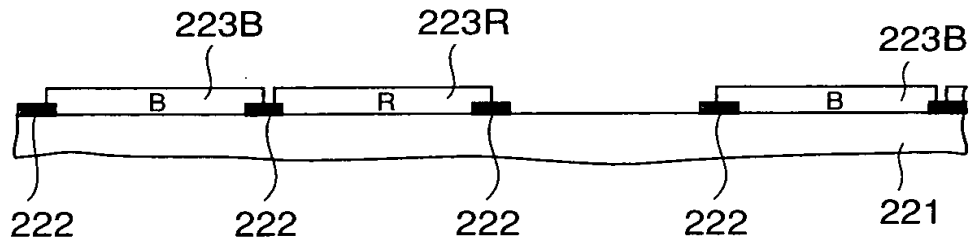


FIG. 41D

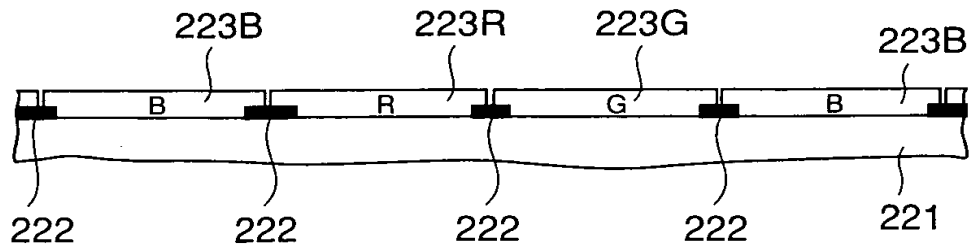


FIG. 41A

FIG. 41E

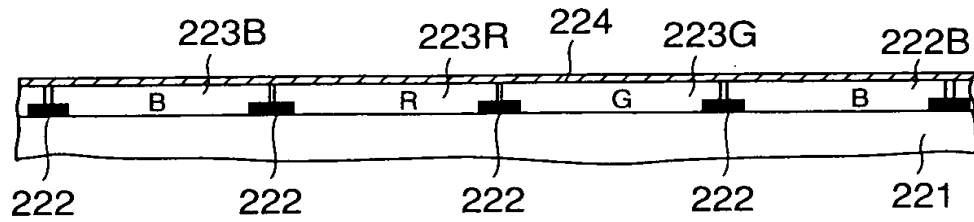


FIG. 41F

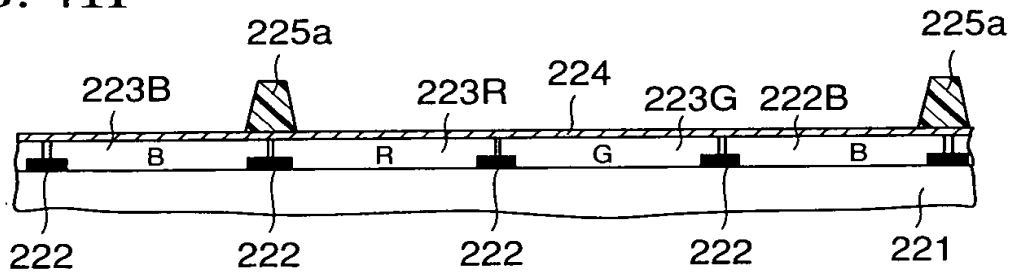


FIG. 41G

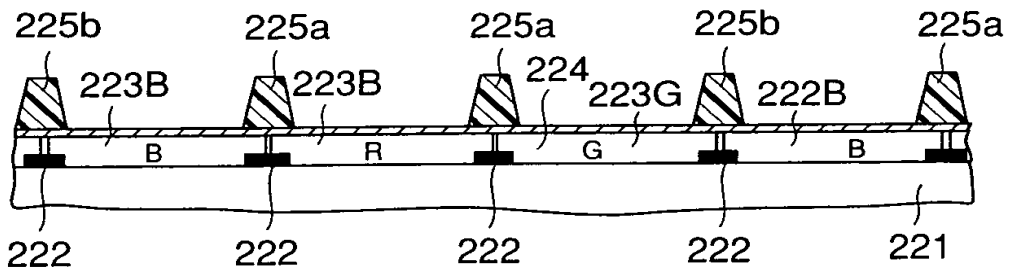


FIG. 42

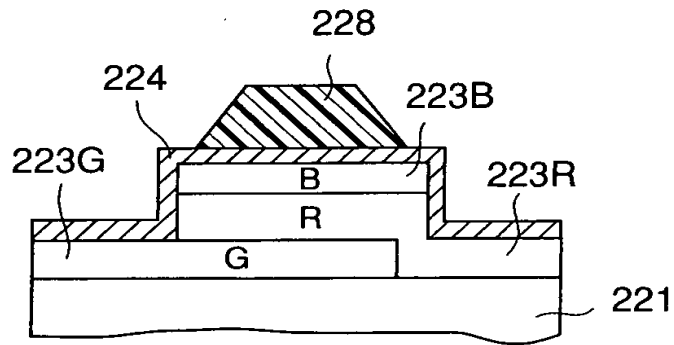


FIG. 43

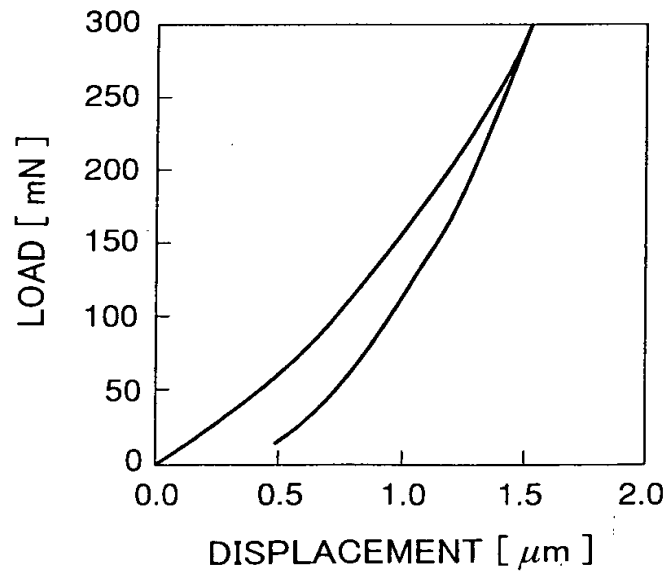


FIG. 44

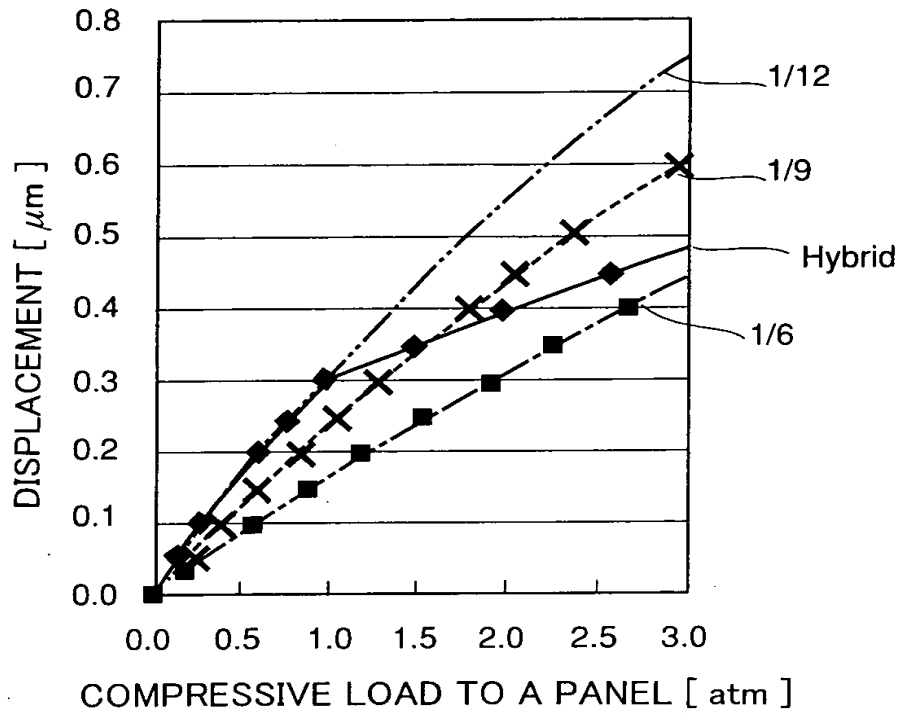


FIG. 45

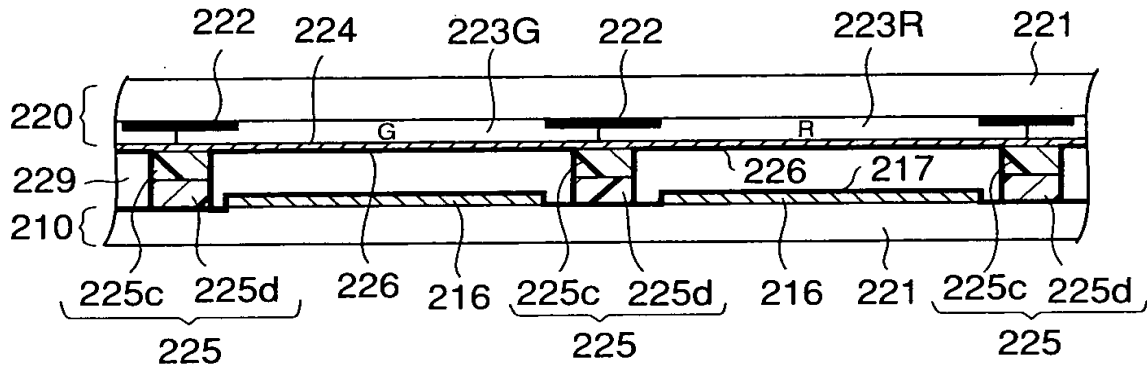


FIG. 45



FIG. 46A

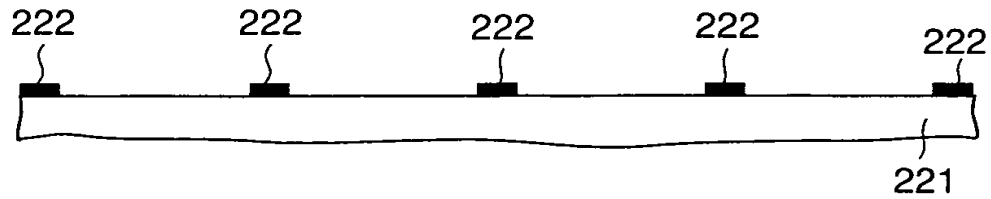


FIG. 46B

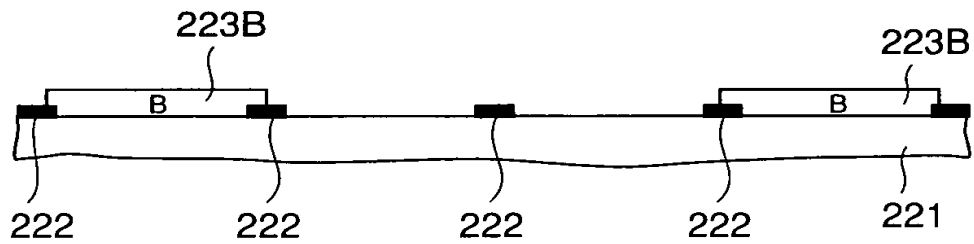


FIG. 46C

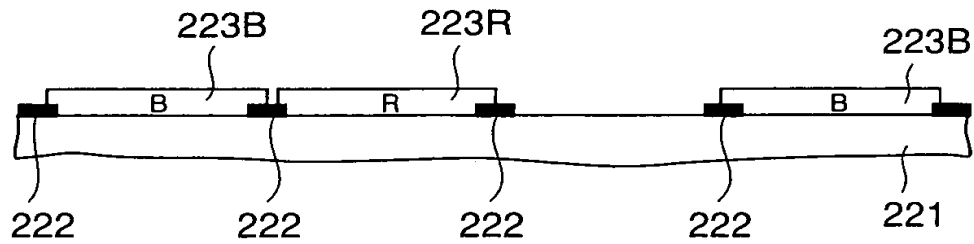


FIG. 46D

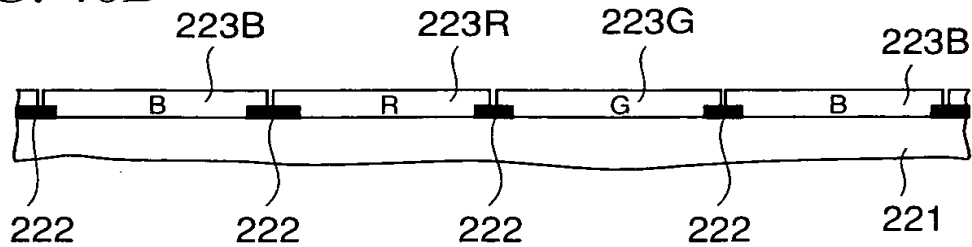


FIG. 46E

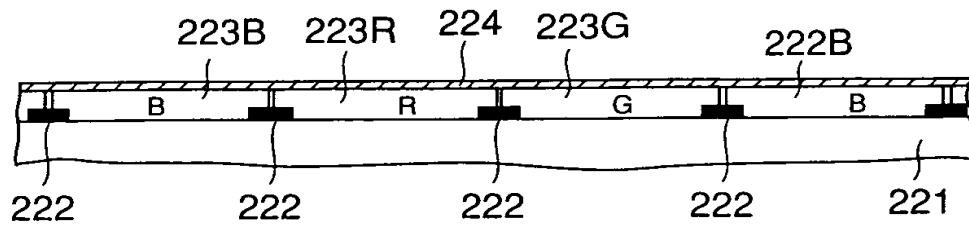


FIG. 46F

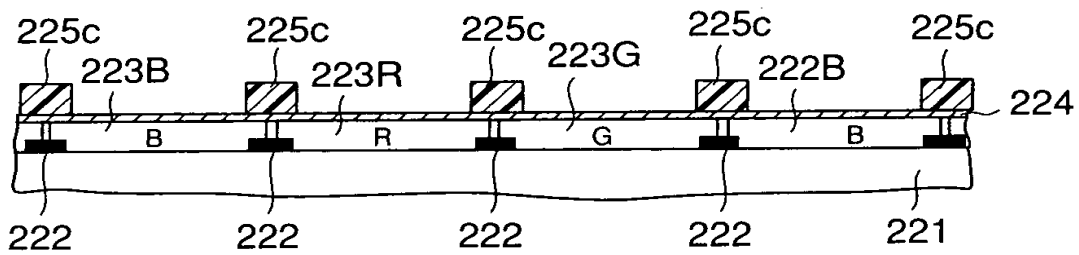


FIG. 46G

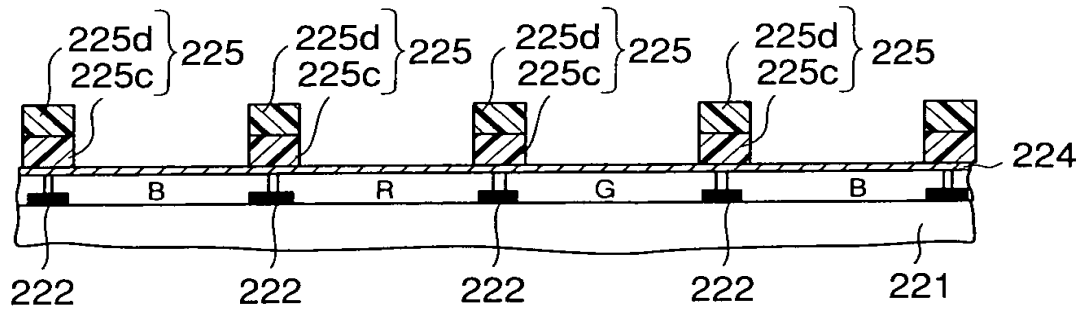


FIG. 46E

FIG. 47

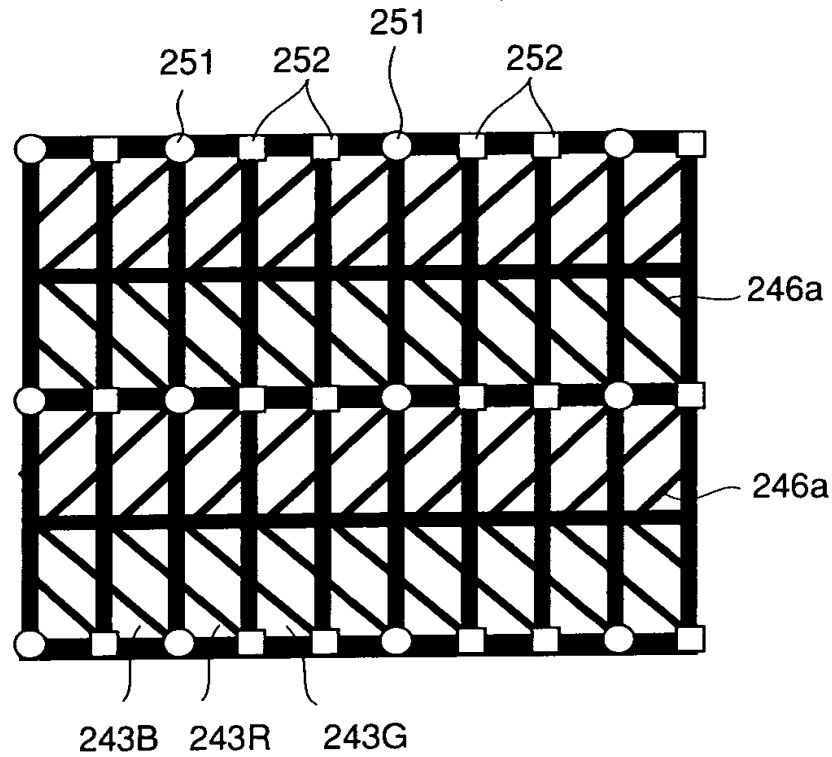


FIG. 48

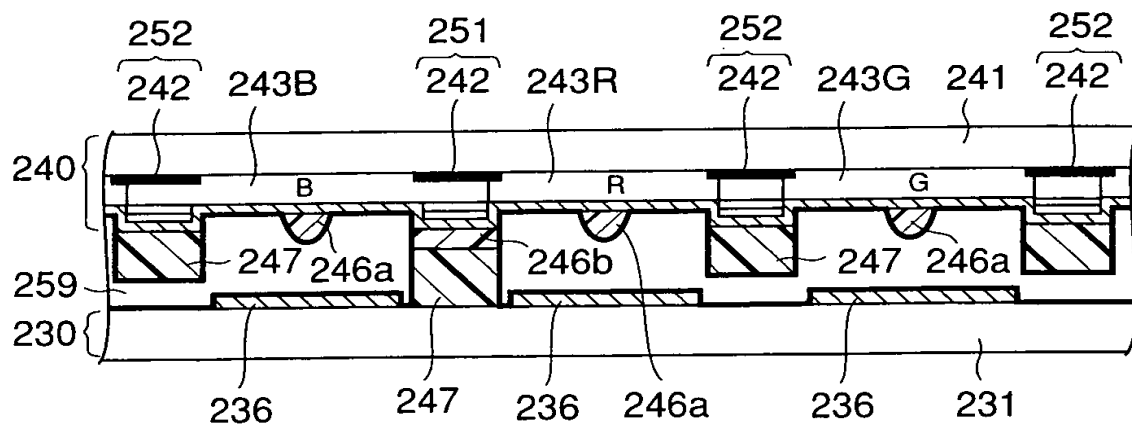




FIG. 49A

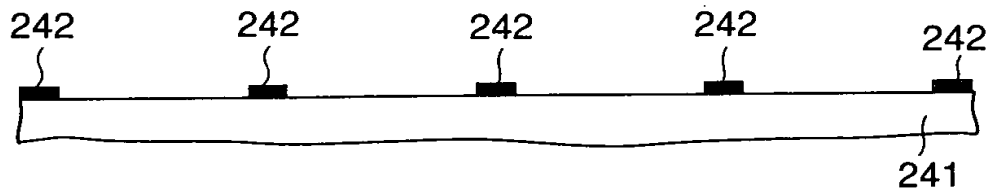


FIG. 49B

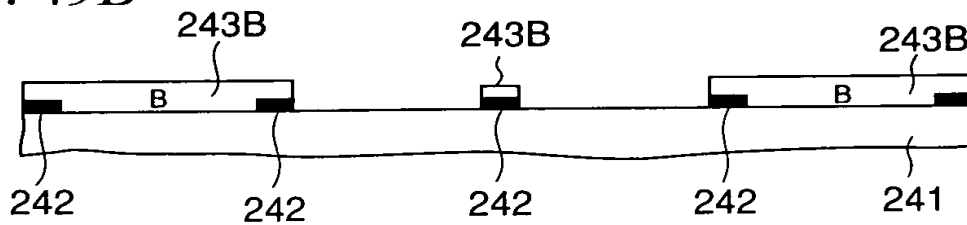


FIG. 49C

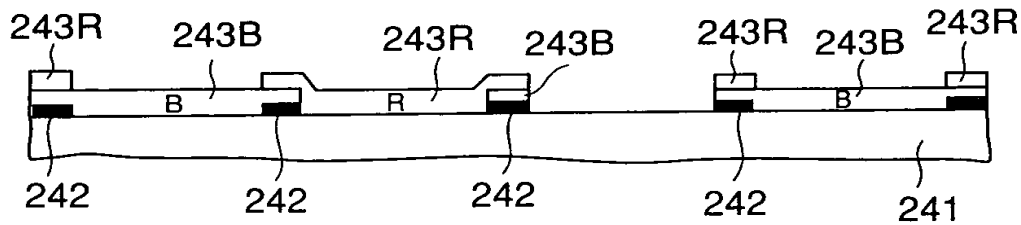


FIG. 49D

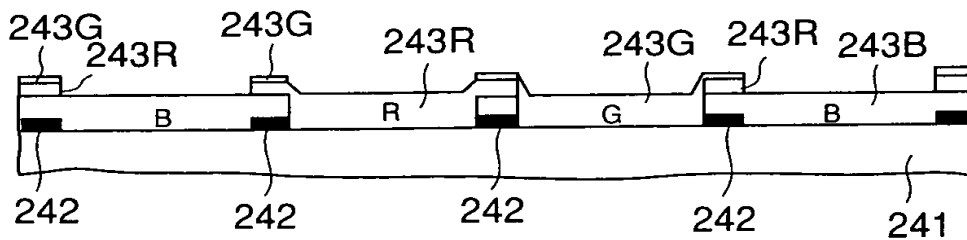


FIG. 49A

FIG. 49E

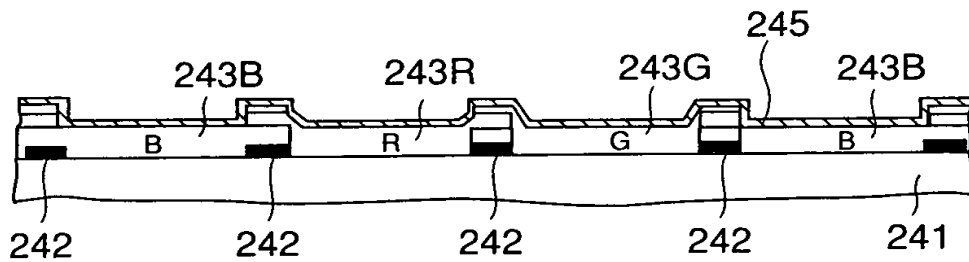


FIG. 49F

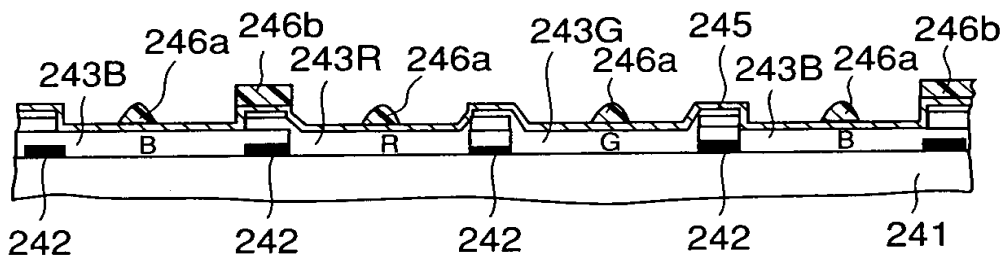


FIG. 49G

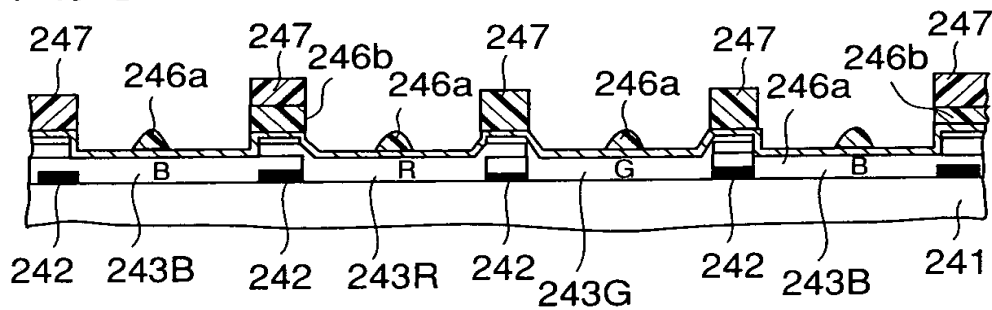


FIG. 49E

FIG. 50A

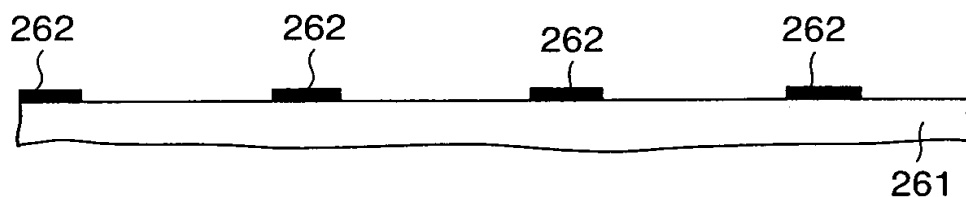


FIG. 50B



FIG. 50C

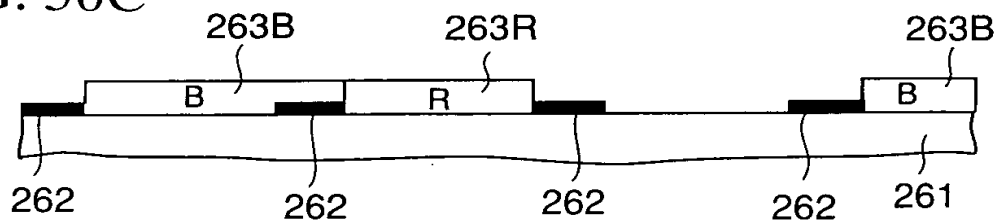


FIG. 50D

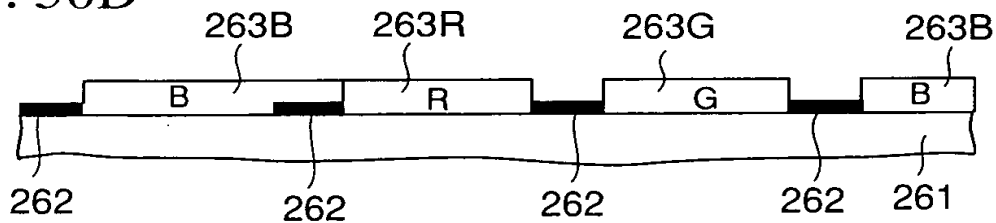


FIG. 50E

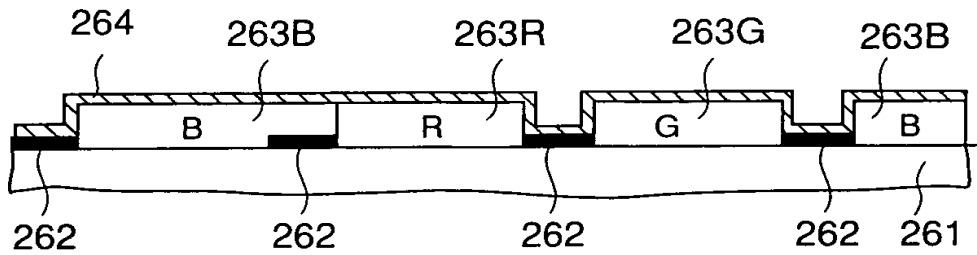


FIG. 50F

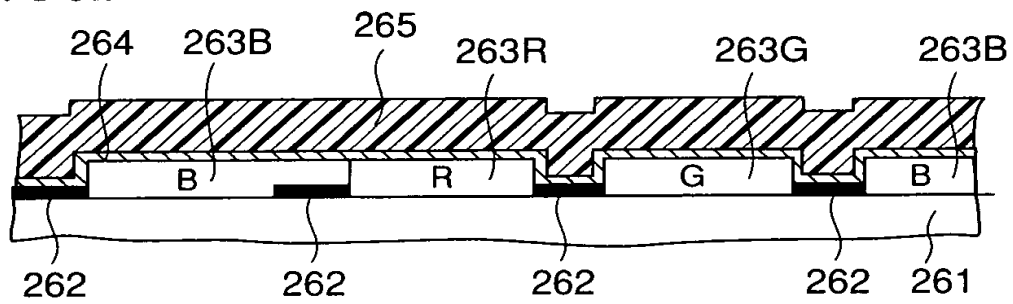


FIG. 50G

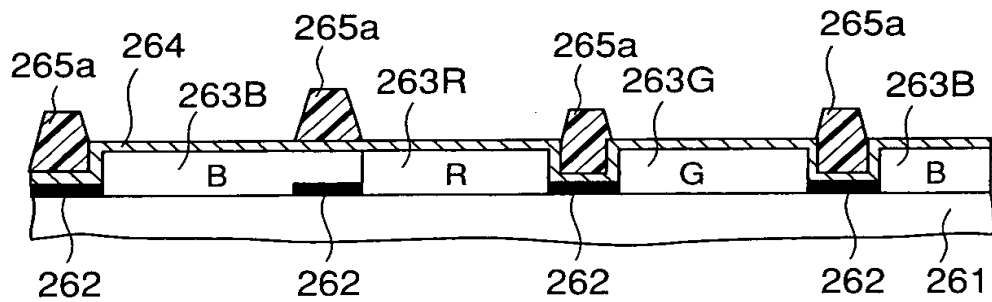


FIG. 50E

FIG. 51

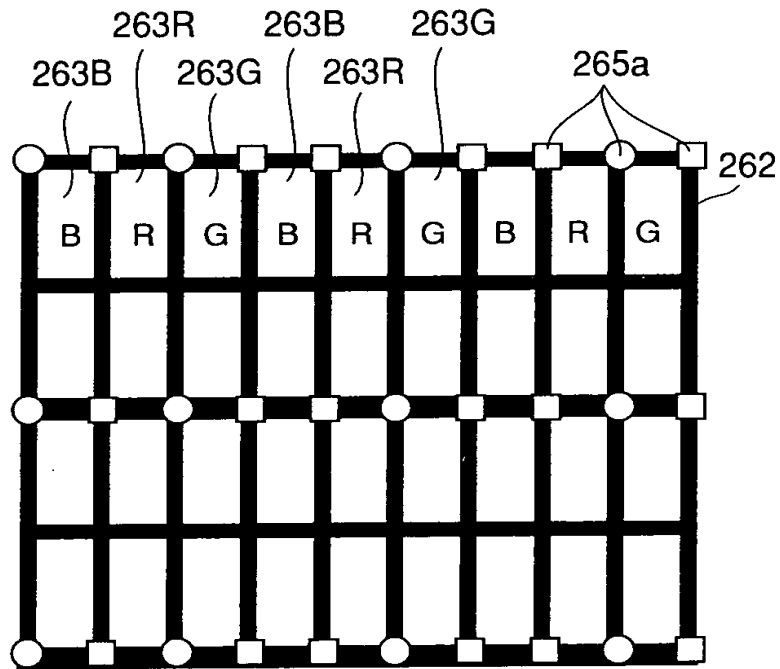


FIG. 52

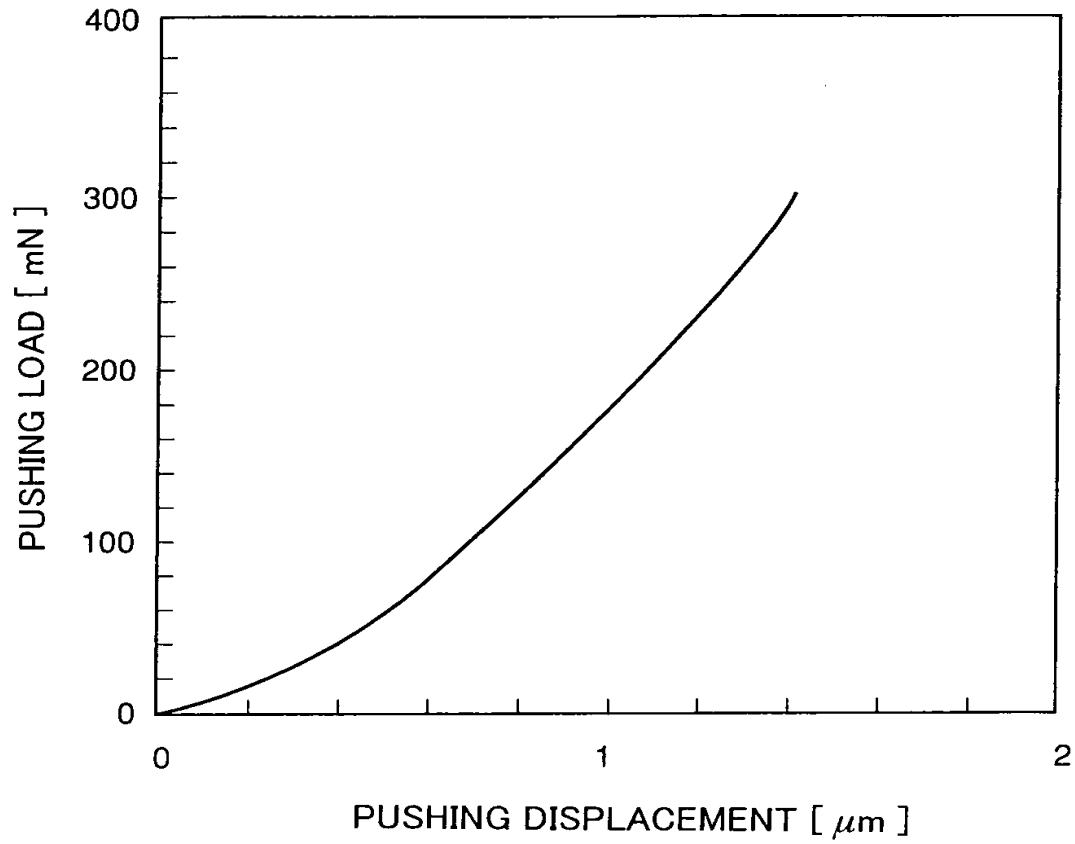


FIG. 53

SAMPLE NUMBER	No.1	No.2	No.3	No.4	No.5
DENSITY cm <sup>-2</sup>	141	283	567	1133	3400
x $\mu$ m	0.57	0.38	0.25	0.17	0.09
x/d	0.143	0.095	0.063	0.043	0.023
HIGH TEMPERATURE EXPANSION 60°C	NOT OCCURRED	NOT OCCURRED	NOT OCCURRED	OCCURRED	OCCURRED
LOW TEMPERATURE FOAMING -20°C	NOT OCCURRED	NOT OCCURRED	NOT OCCURRED	OCCURRED	OCCURRED

FIG. 54A

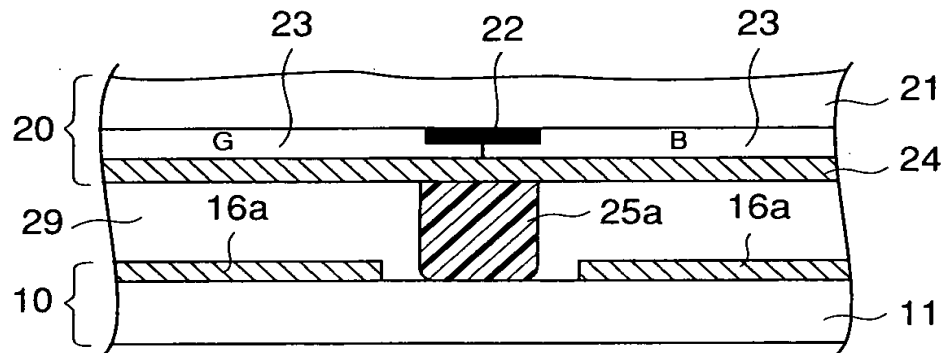


FIG. 54B

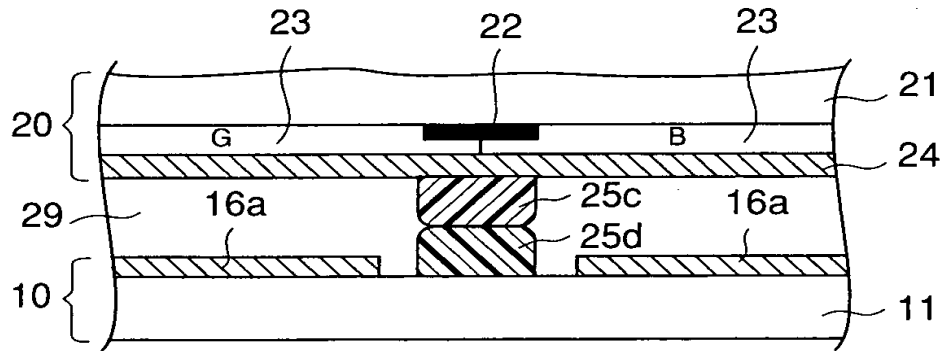




FIG. 55

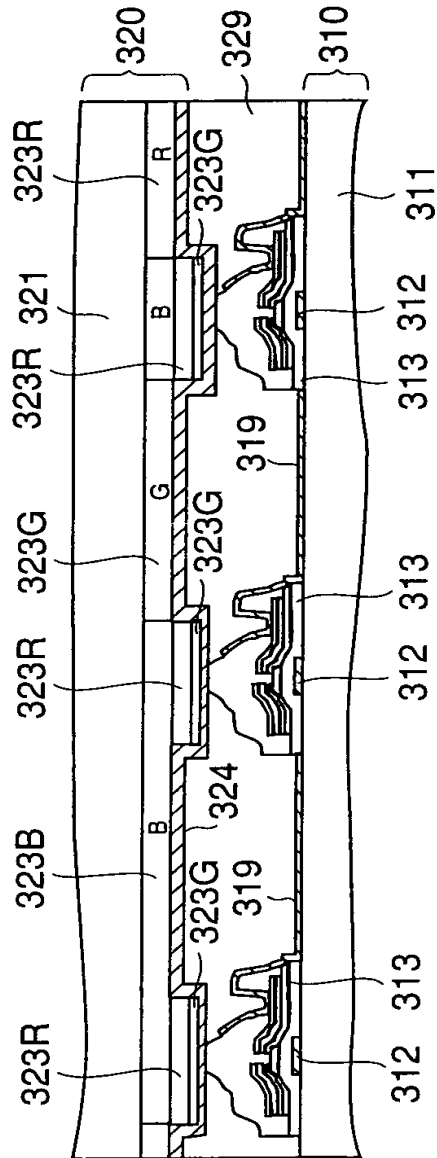


FIG. 56

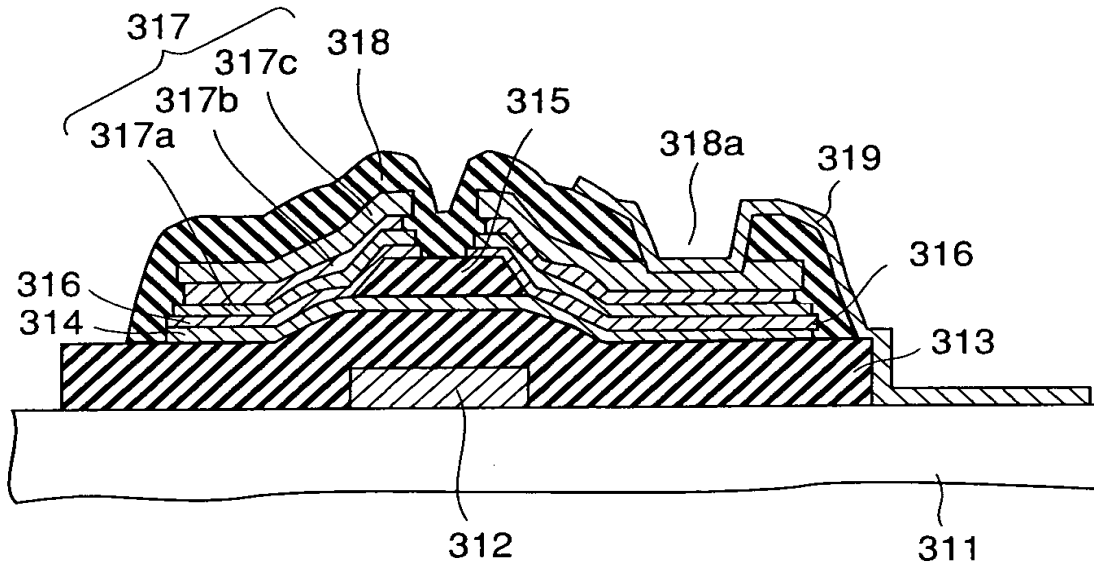


FIG. 56

FIG. 57A

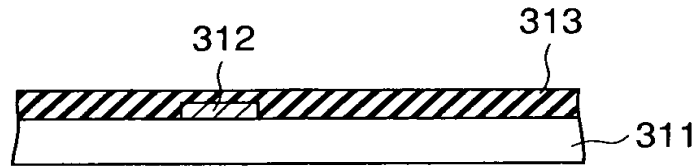


FIG. 57B

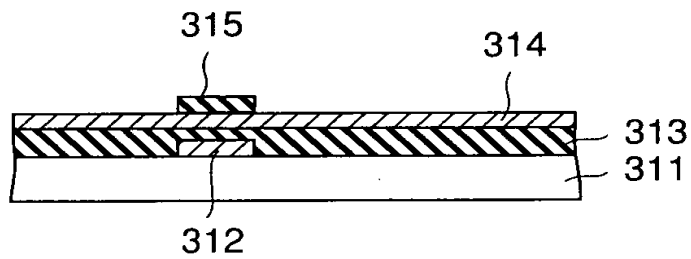


FIG. 57C

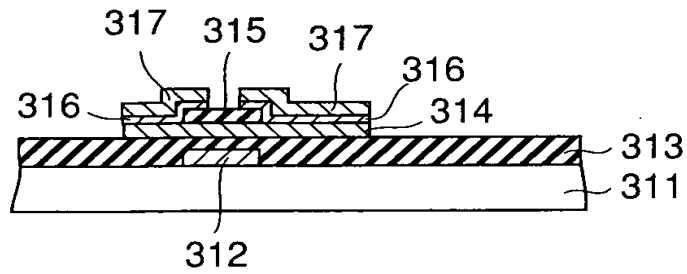


FIG. 57D

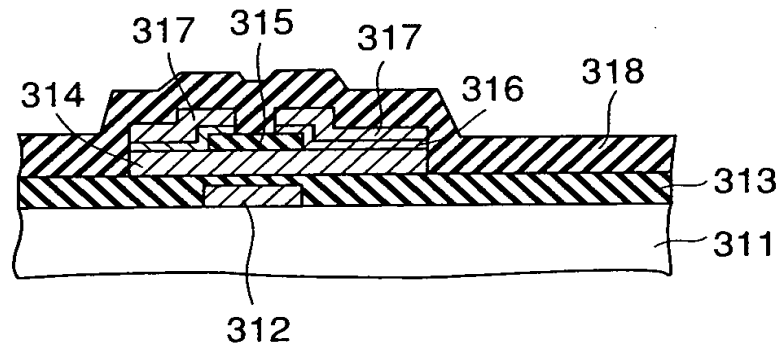


FIG. 57E

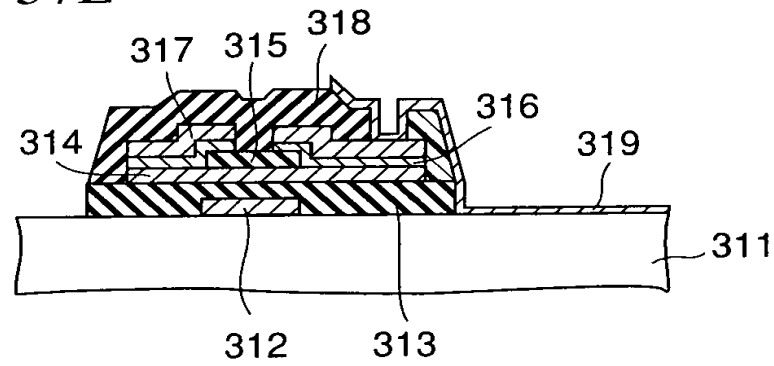


FIG. 57D

FIG. 58

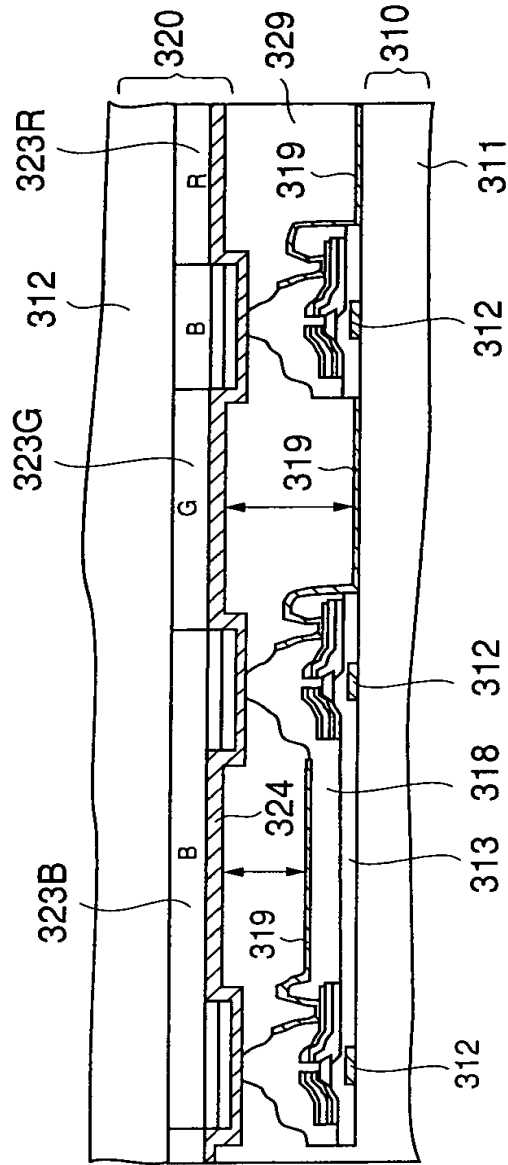


FIG. 59

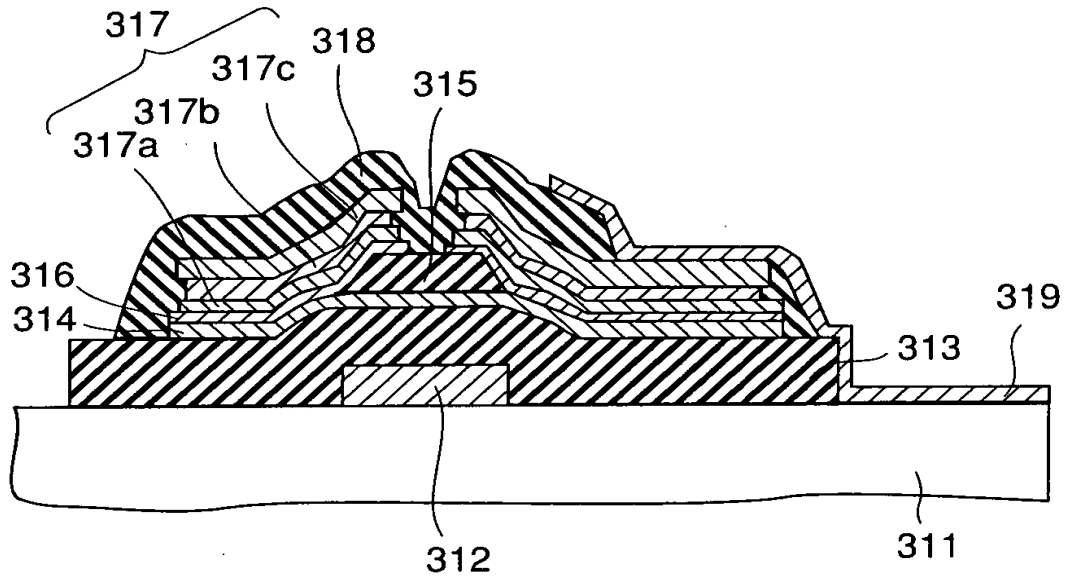


FIG. 60

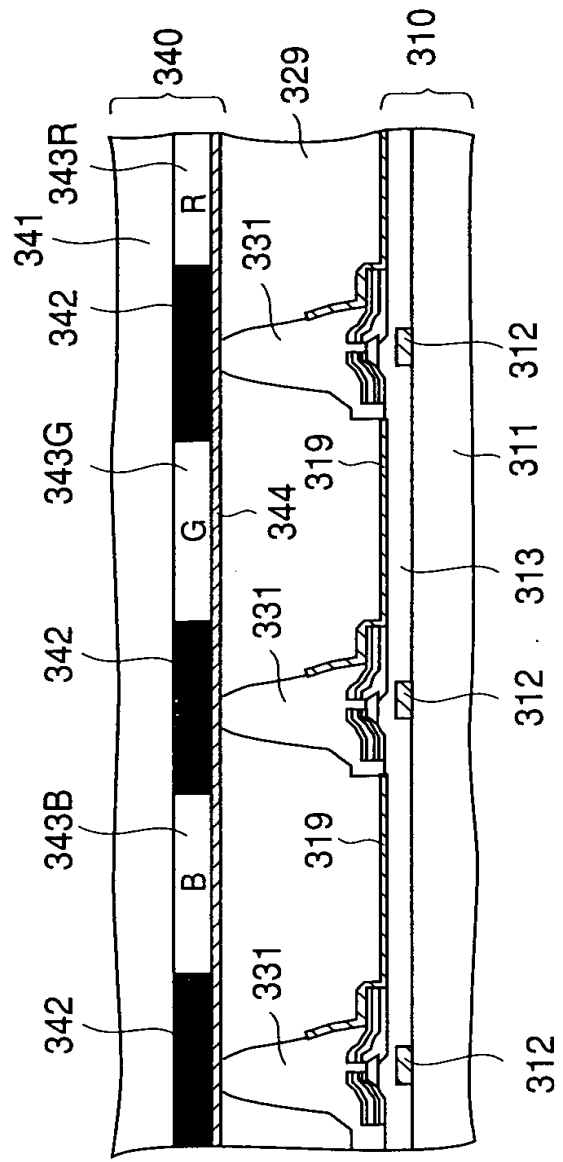


FIG. 61A

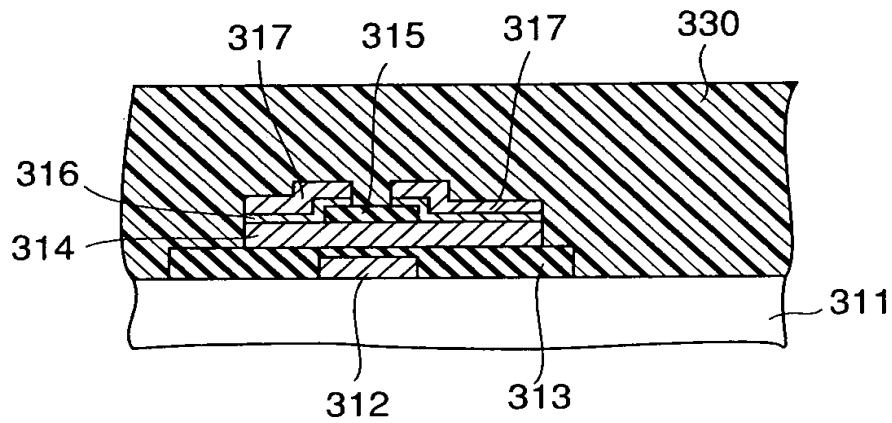


FIG. 61B

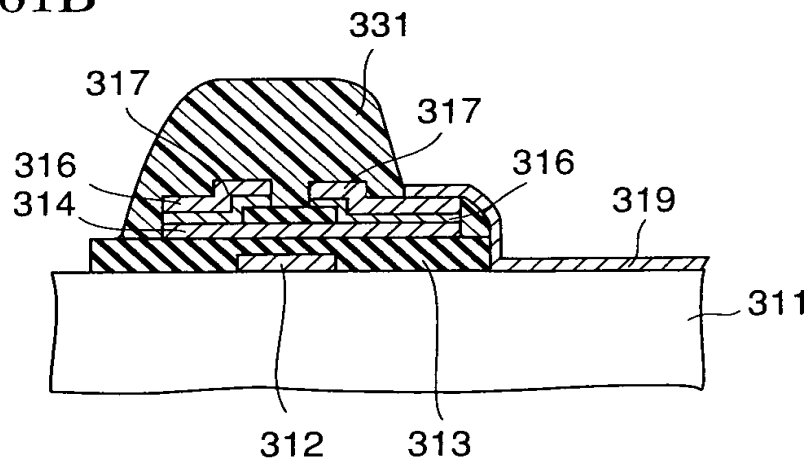




FIG. 62

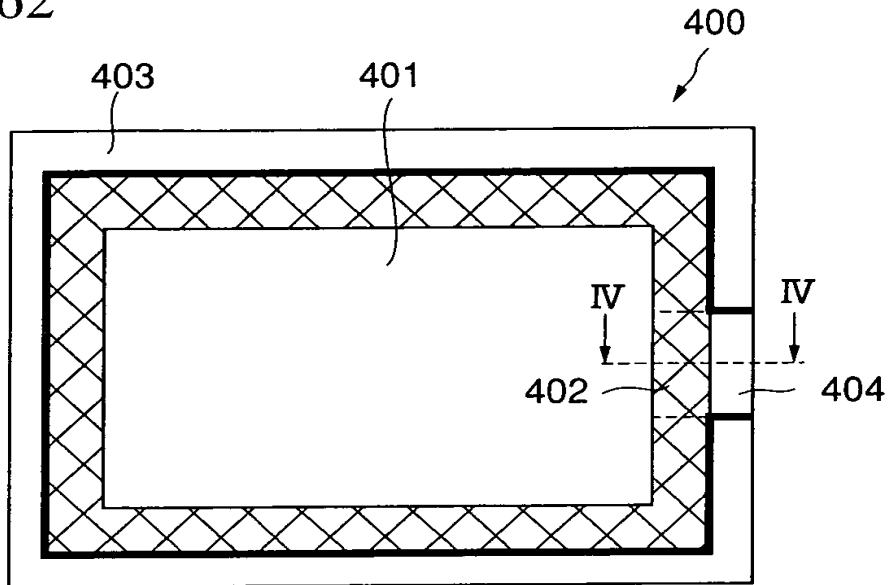


FIG. 62

FIG. 63

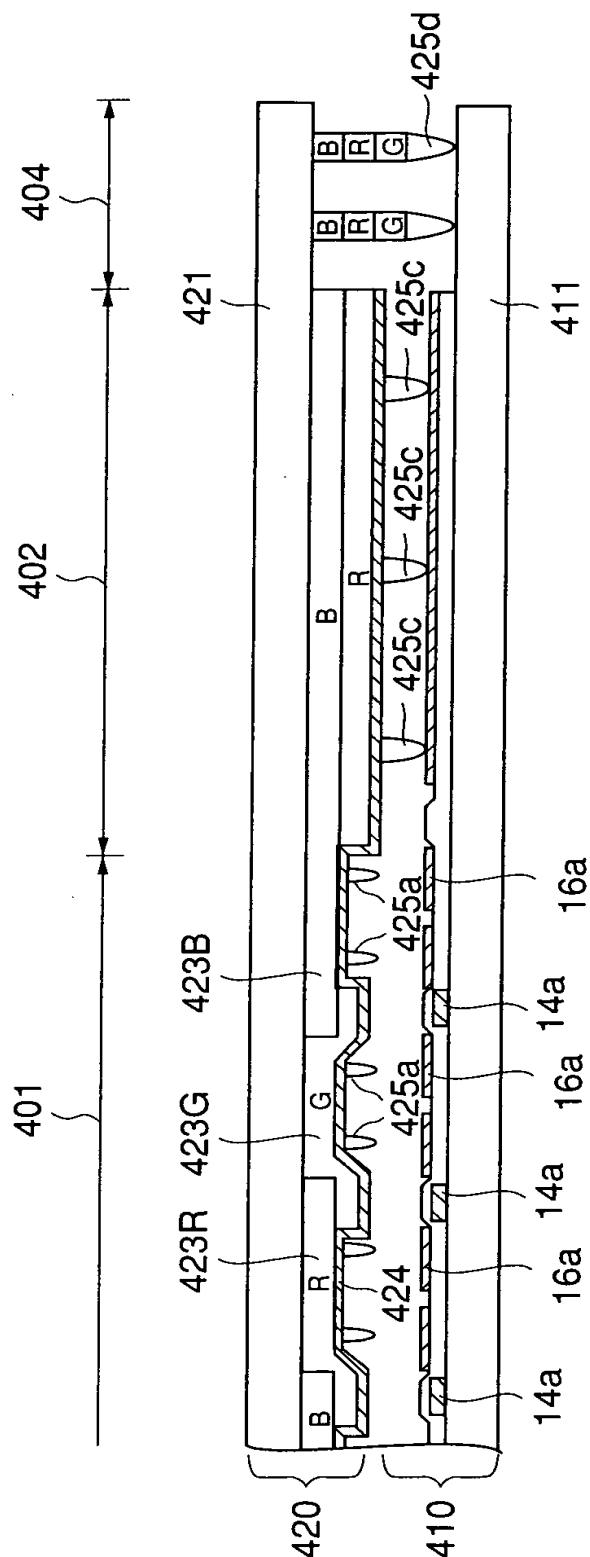


FIG. 64A

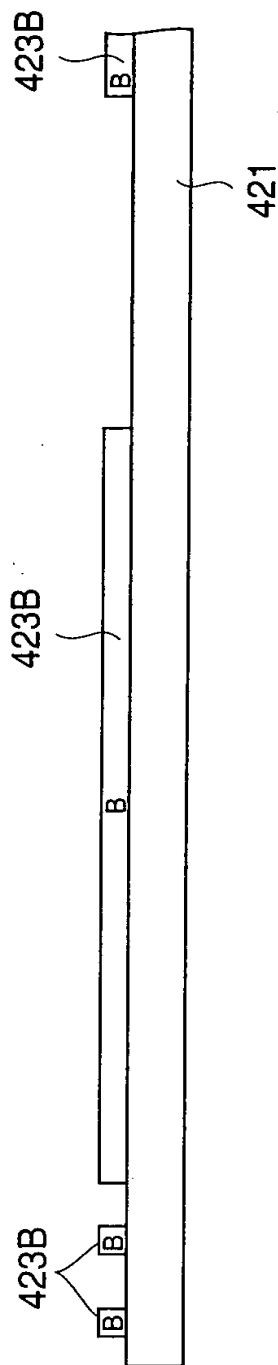
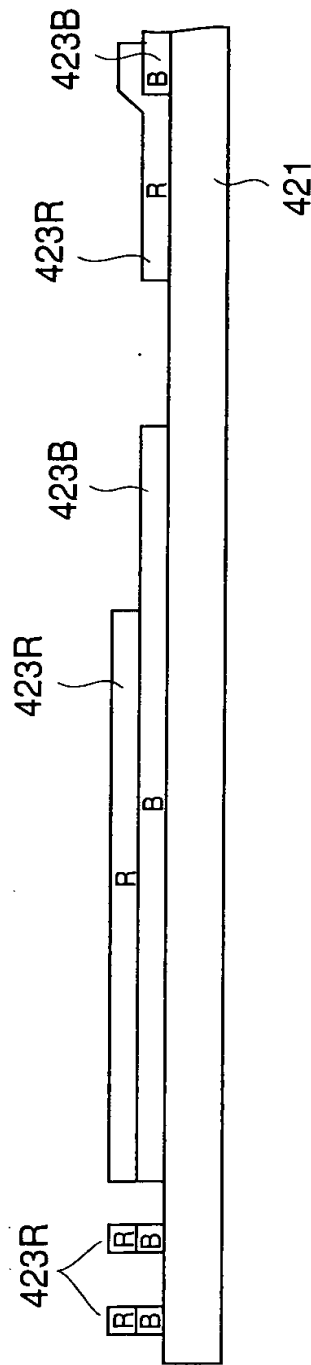


FIG. 64B



This diagram shows a cross-sectional view of a substrate 421. A layer 423 is formed on the substrate, featuring a series of rectangular protrusions. The layer 423 is divided into three main regions: 423R (resist), 423G (gate), and 423B (barrier). Each region contains a protrusion with a top layer labeled R, G, or B respectively. The layer 423 is shown in a cross-section, with the top layer labeled R, G, or B. The layer 423 is formed on the substrate 421.

FIG. 64E

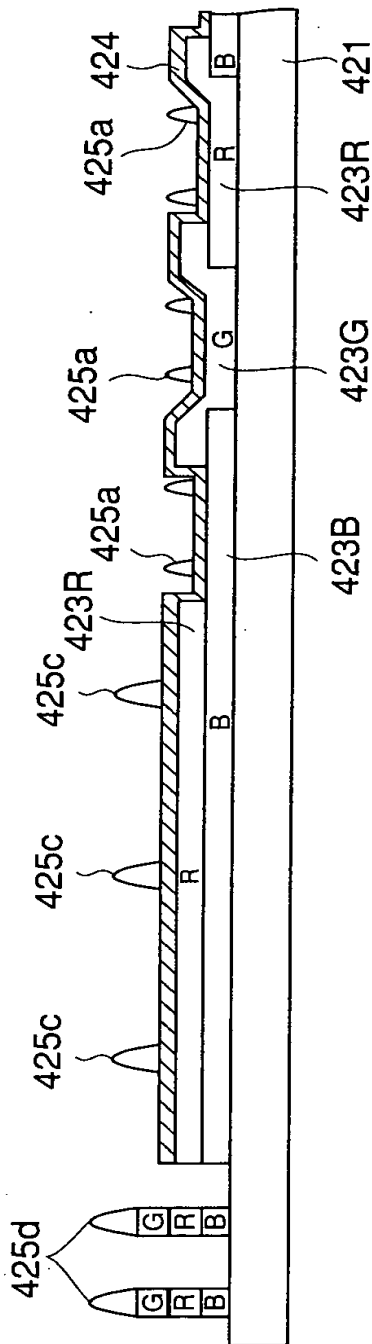


FIG. 65A

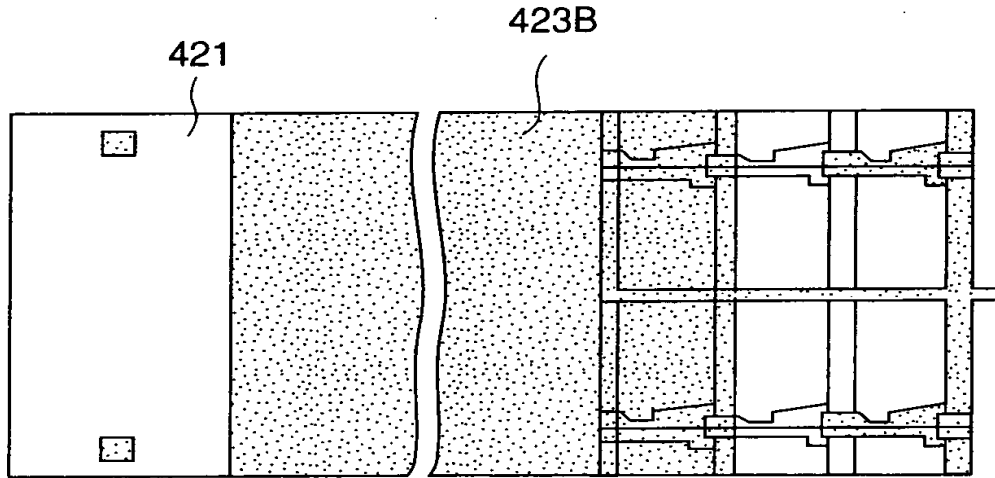


FIG. 65B

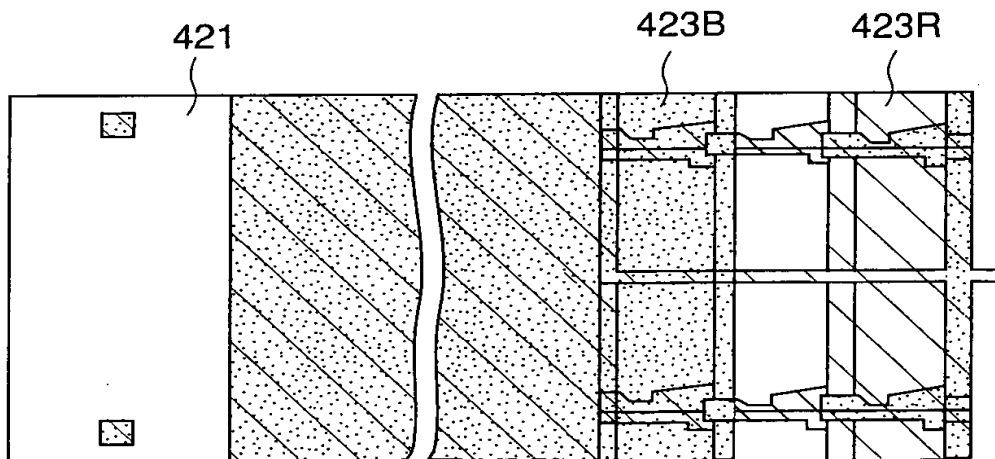


FIG. 65C

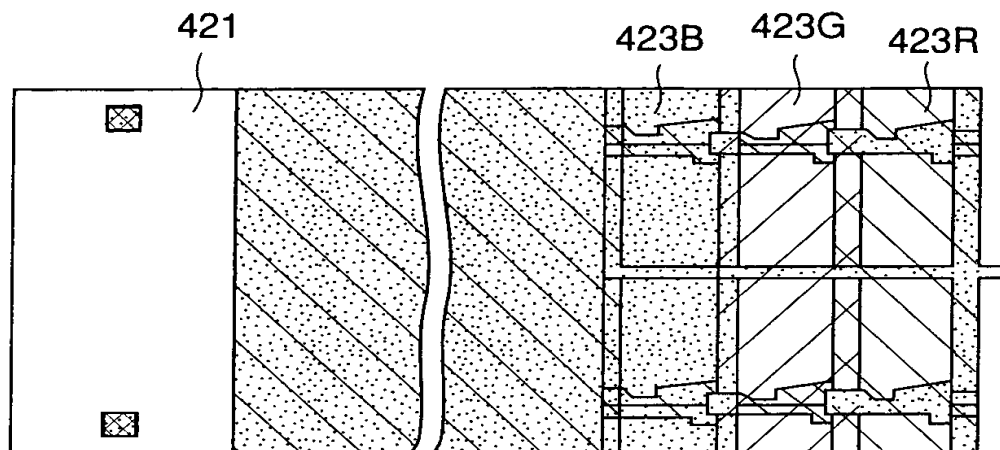


FIG. 65D

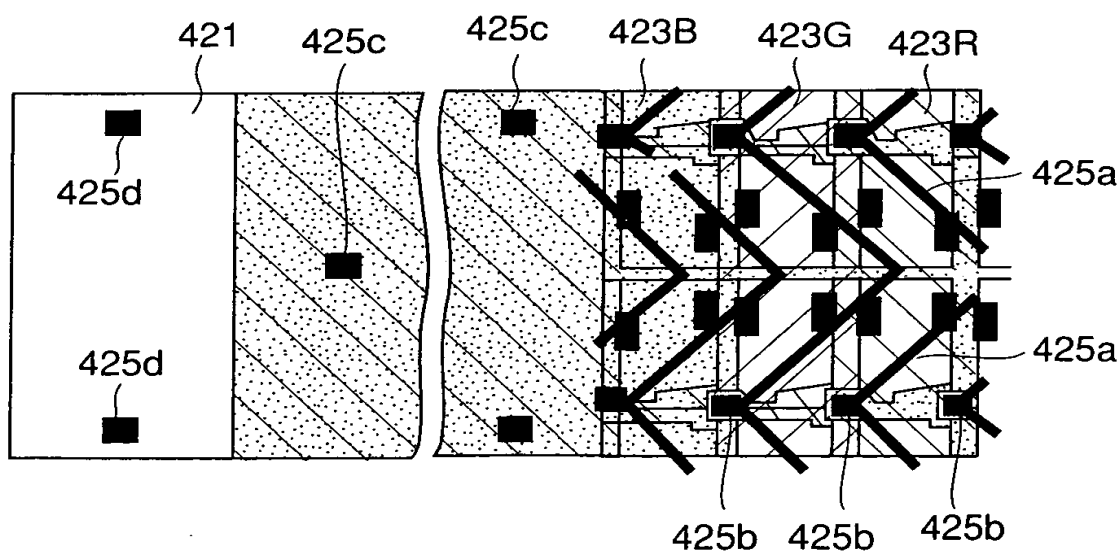


FIG. 65C